## NEMO EVALUATION REPORT (NER)

**Seaman Corporation**
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**(800) 927-8578**

| | |
|---|---|
| **SUBJECT:** | **FiberTite Roof Systems** |
| **SCOPE:** | This NEMO Evaluation Report (henceforth 'NER') is issued under F.A.C. Rule 61G20-3 and the applicable rules and regulations governing Product Approval of construction materials in the State of Florida and ISO/IEC 17065 via NEMO\|cert. NEMO Evaluations has evaluated the product described herein for compliance with the Code sections noted herein. |
| **CODES:** | 2024 International Building Code<br>2023 Florida Building Code, 8th Edition<br>TDI Third-Party Evaluation Report acceptance |
| **JURISDICTION:** | Non-HVHZ and HVHZ |
| **CATEGORY:** | **FBC:** Roofing<br>**NEMO:** Single Ply |
| **SUB-CATEGORY:** | **FBC:** Single Ply Roof Systems |
| **CSI DIVISION:** | 07 00 00 Thermal and Moisture Protection<br>07 54 00 Thermoplastic Membrane Roofing<br>07 54 16 Ketone Ethylene Ester Roofing |
| **METHOD:** | Method 1, Option C – Codified Material, Evaluation by Evaluation Entity |
| **COMPLIANCE STATEMENT:** | **FiberTite Roof Systems**, as produced by **Seaman Corporation**, have demonstrated compliance with **2020 ICC 500** and **2023 ANSI/ICC 500** ICC/NSSA Standard for the Design and Construction of Storm Shelters requirements for use on hurricane shelters and the Code sections noted herein through testing in accordance with the referenced Standards, rational analysis and an ongoing quality assurance program. Compliance is subject to the Installation Requirements and Limitations of Use set forth herein. |
| **QUALITY ASSURANCE:** | Evidence of current quality assurance shall be listing and/or labeling in accordance with the requirements of NEMO\|cert. |
| **CONTINUED COMPLIANCE:** | This NER is valid until such time the named product(s) change, the referenced Quality Assurance changes, or the evaluated Code provisions change. NEMO Evaluations requires, at minimum, a complete review of this NER with each 3-year Code Cycle. |
| **BUILDING PERMIT REQUIREMENTS:** | As required by the Building Official or Authority Having Jurisdiction to evaluate the installation of this product. |
| **ADVERTISEMENT:** | "NEMO Evaluated" may be displayed in advertising literature. If any portion of the NER is displayed, it shall be displayed in its entirety. |
| **CERTIFICATION OF INDEPENDENCE:** | ✓ NEMO CERT, LLC has not, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.<br>✓ NEMO CERT, LLC is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.<br>✓ This is a building code evaluation. NEMO CERT, LLC is not, in any way, the Designer of Record for any project on which this NER, or previous versions thereof, is/was used for permitting or design guidance. |




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LINK TO TOP OF ATTACHMENT REQUIREMENTS


ISO/IEC 17065 PCA-145

ISO/IEC 17020 AA-779

## 1. CODES, PROPERTIES AND STANDARDS:

| Code | Section | Property | Standard |
|---|---|---|---|
| 2024 International Building Code | 202, 423.1 | Impact resistance | ICC 500 |
| | 1504.4.1 | Wind resistance | FM 4474 or UL 1897 |
| | 1504.7 | Impact resistance | FM 4470 |
| | 1505.1 | Fire classification | UL 790 |
| | 1507.11.2 | Material standard | ASTM D6163, D6164 |
| | 1507.12.2 | Material standard | ASTM D6754 |
| 2023 Florida Building Code, 8th Edition | 202, 423.1, 453.25.4 | Impact resistance | ICC 500 |
| | 1504.3.1 | Wind resistance | FM 4474 |
| | 1504.3.1 | Wind resistance | UL 1897 |
| | 1504.6 | Physical properties | ASTM G154 |
| | 1504.6 | Physical properties | ASTM G155 |
| | 1504.7 | Impact resistance | FM 4470 |
| | 1507.11.2, TAS 110 | Material standard | ASTM D6163 |
| | 1507.11.2, TAS 110 | Material standard | ASTM D6164 |
| | 1507.12.2, TAS 110 | Material standard | ASTM D6754 |
| | TAS 110 | Resistance to Foot Traffic | TAS 114, Section 8.9 |
| | TAS 110 | Wind resistance | TAS 114, Appendix C, D or J |
| | TAS 110 | Susceptibility Hail Damage | TAS 114, Appendix F |
| | TAS 110 | Susceptibility to Leakage | TAS 114, Appendix G |

## 2. PRODUCTS:

**TABLE 1A: EVALUATED FIBERTITE COMPONENTS**
*(NEMO Certified. Consult Directory of Certified Products for production location(s))*

| Type | Product | | Material Standard | |
|---|---|---|---|---|
| | Name | Thickness | Reference | Type |
| Roof Cover | FiberTite | 36-mil | ASTM D6754 | N/A |
| | FiberTite-SM | 45, 60-mil | ASTM D6754 | N/A |
| | FiberTite-XT | 50, 60-mil | ASTM D6754 | N/A |
| | FiberTite-Xtreme | 60-mil | ASTM D6754 | N/A |
| Roof Cover or Cap Ply | FiberTite-FB | 36-mil | ASTM D6754 | N/A |
| | FiberTite-SM FB | 45, 60-mil | ASTM D6754 | N/A |
| | FiberTite-XT FB | 50, 60-mil | ASTM D6754 | N/A |
| | FiberTite-Xtreme FB | 60-mil | ASTM D6754 | N/A |
| Vapor Barrier or Base Ply | FiberTite VBX | | N/A | N/A |

**TABLE 1B: EVALUATED FIBERTITE COMPONENTS**
*(Contact contact@nemocert.com for production location(s) of non-Certified products)*

| Type | Product | Material Standard | |
|---|---|---|---|
| | | Reference | Type |
| Vapor Barrier or Base Ply | FTR SBS Poly 3.0 | ASTM D6164 | I |
| | FTR SBS Poly 3.7 | ASTM D6164 | I |
| | FTR SBS Poly 4.0 | ASTM D6164 | I |


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| TABLE 2: ACCESSORY COMPONENTS (4.1.4) *(Refer to NOA if listed version was superseded to ensure use of latest version)* | | | | |
|---|---|---|---|---|
| TYPE | FIBERTITE PRODUCT | ACCEPTABLE ALTERNATE | FBC | NOA |
| ROOFING FASTENERS & PLATES | FiberTite #12 | Dekfast DF-#12-PH3 | FL20311 | 22-0913.02 |
| | FiberTite #14 | Dekfast DF-#14-PH3 | FL20311 | 22-0913.02 |
| | FiberTite Magnum Fastener | Dekfast DF-#15-PH3 | FL20311 | 22-0913.02 |
| | FiberTite Magnum-Plus Plate | Dekfast PLT-O2-3/4-12B | FL20311 | 22-0913.02 |
| | FTR Magnum2S | Dekfast PLT-R-2-3/8-6B | FL20311 | 22-0913.02 |
| | FiberTite 3-in Steel Plate | Dekfast PLT-R-3 | FL20311 | 22-0913.02 |
| | FTR-IW isoweld | *isoweld* F1-P-6.8-PVC | FL20311 | 22-0913.02 |
| | FiberTite Magnum Stress Plate | Dekfast PLT-O-2-1/2-8B | N/A | N/A |
| | N/A | Dekfast PTL-R-2-4B | FL20311 | 22-0913.02 |
| | N/A | Dekfast PLT-H-2-7/8 | FL20311 | 22-0913.02 |
| | N/A | Dekfast DF-#12-PC-SQ3 | FL20311 | N/A |
| | N/A | SFS FI-P-16.0-PVC | N/A | N/A |
| | N/A | SFS FI-R-20[2] | N/A | N/A |
| | FTR Magnum O Fastener | OMG XHD | FL699 | 24-0627.03 |
| | FTR Retro-Driller | OMG RhinoBond (Retro) Driller | FL699 | 24-0627.03 |
| | N/A | OMG #12 Standard | FL699 | 24-0627.03 |
| | N/A | OMG Heavy Duty | FL699 | 24-0627.03 |
| | N/A | OMG CD-10 | FL699 | 24-0627.03 |
| | N/A | OMG Polymer GypTec Fastener | FL699 | 24-0627.03 |
| | N/A | OMG 3” Galvalume Steel Plate | FL699 | 24-0627.03 |
| | N/A | OMG AccuTrac Flat Bottom Plate | FL699 | 24-0627.03 |
| | N/A | OMG Polymer GypTec Plate 2” with barbs | FL699 | 24-0627.03 |
| | N/A | OMG RhinoBond Insulation Plate (PVC) | FL699 | 24-0627.03 |
| | N/A | OMG RhinoBond TreadSafe Plate (PVC) | FL699 | 24-0627.03 |
| | N/A | OMG RhinoBond TreadSafe Insert[1] | N/A | N/A |
| | N/A | Trufast ¼” Concrete Spike | FL4500 | N/A |
| | N/A | Trufast TL Fastener | FL4500 | 25-0129.08 |
| | N/A | Trufast Versa-Fast Fasteners | FL4500 | 25-0129.08 |
| | N/A | Trufast #12 DP Fastener | FL4500 | 25-0129.08 |
| | FTR PurlinT Fastener | Trufast #12 Purlin Fastener | FL4500 | 25-0129.08 |
| | FTR #14T | Trufast #14 HD Fastener | FL4500 | 25-0129.08 |
| | FTR MagnumT Fastener | Trufast #15 EHD Fastener | FL4500 | 25-0129.08 |
| | FiberTite FTR Magnum-R275 | Trufast 2-3/4” Barbed Metal Seam Plate (EHD) | FL4500 | N/A |
| | FTR IPM T | Trufast 3” Metal Insulation Plate | FL4500 | 25-0129.08 |
| | N/A | Trufast Versa-Fast Metal Plate | FL4500 | 25-0129.08 |
| | N/A | Trufast 2” TL Seam Plate | N/A | 25-0129.08 |

[1] *When using OMG RhinoBond TreadSafe Insert or SFS FI-R-20 insert tube, the insulation shall be of sufficient thickness to accommodate the length of the insert/sleeve without damage thereto during installation.*


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| TABLE 2: ACCESSORY COMPONENTS (4.1.4) *(Refer to NOA if listed version was superseded to ensure use of latest version)* | | | | |
|---|---|---|---|---|
| TYPE | FIBERTITE PRODUCT | ACCEPTABLE ALTERNATE | FBC | NOA |
| INSULATIONS | FTR-Value A | ACFoam-II | FL17989 | 24-1120.02 |
| | FTR-Value-III-A | ACFoam-III | FL17989 | 24-1120.02 |
| | FTR-Value H | H-Shield | FL5968 | 24-1021.04 |
| | FTR-Value H Glass Facer | H-Shield CG | FL5968 | 24-1021.04 |
| | FTR-Value | ENRGY 3 | FL4205 | 24-0610.04 |
| | N/A | Insulfoam IX | FL29563 | 24-1015.10 |
| | N/A | DensDeck | FL1250 | 22-1223.04 |
| | N/A | DensDeck Prime / DensDeck StormX Prime | FL1250 | 22-1223.04 |
| | N/A | DEXcell FA Glass Mat Roof Board | FL17840 | 25-0722.11 |
| | N/A | DEXcell Cement Roof Board | FL17840 | 25-0722.11 |
| | N/A | SECUROCK Gypsum-Fiber Roof Board | FL4264 | 25-1017.02 |
| | N/A | SECUROCK Cement Roof Board | FL4264 | 25-1017.02 |
| | N/A | Celcore Cellular Concrete | FL2037 | 24-0906.02 |
| | N/A | Concrecel Lightweight Insulating Concrete | FL5584 | 21-1229.06 |
| | N/A | Elastizell Lightweight Insulating Concrete | N/A | 23-0817.05 |
| | N/A | Mearlcrete | FL13492 | 24-0514.06 |
| ADHESIVES | FTR-190e | N/A | N/A | 25-0722.06 |
| | FTR-290 | N/A | N/A | 25-0722.06 |
| | FTR-390 | N/A | N/A | 25-0722.06 |
| | FTR-490 | N/A | N/A | 25-0722.06 |
| | FTR SBS Adhesive | N/A | N/A | 25-0722.06 |
| | Alpha-Tite Bonding Adhesive | N/A | N/A | N/A |
| | FTR 601 | Millennium One Step Foamable Adhesive | FL1800 | 25-0908.08 |
| | FTR-601 PG | Millennium PG-1 Pump Grade Adhesive | FL1800 | 25-0908.08 |
| | FTR-601 ECO | Millennium PG-1 EF ECO | FL1800 | 25-0908.08 |
| | N/A | OlyBond 500 | FL1608 | 24-0422.18 |
| | N/A | Polyset Commercial Roof Adhesive | FL1365 | 23-0718.11 |
| PRIMERS | FTR SA Primer | ELASTOCOL Stick Zero | FL9779 | 23-1130.04 |
| | N/A | ELASTOCOL Stick | FL9779 | 23-1130.04 |
| | N/A | TruGround Conductive Primer | N/A | N/A |
| ROLL GOODS | VaporTite | SOPRAVAP'R | N/A | 24-0610.08 |
| | FTR SBS Poly SA | SOPRALENE Stick | FL3915 | 24-1003.03 |
| | N/A | BlockShield SA Plus | FL46829 | N/A |
| | N/A | SlopeShield Plus SA | FL46829 | N/A |


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## 3. INSTALLATION:

3.1 **FiberTite Roof Systems** shall be installed in accordance with **Seaman Corporation** published installation instructions, subject to the Limitations of Use noted herein.

3.1.1 Fasteners: Unless otherwise noted, fasteners and stress plates shall be as follows, used in any combination. Fasteners shall be of sufficient length for the following engagements.

**TABLE 3: FASTENER REFERENCES**

| ROOF DECK | FASTENER OPTIONS | | | | FASTENER ENGAGEMENT |
|---|---|---|---|---|---|
| WOOD, ENGINEERED SHEATHING OR PLANK | FiberTite #12 | OMG #12 Standard | SFS Dekfast DF-#12-PH3 | Trufast #12 DP | Min. 0.75-inch penetration (engineered sheathing) or min. 1-inch embedment (plank) |
| | FiberTite #14 | OMG Heavy Duty | SFS Dekfast DF-#14-PH3 | Trufast #14 HD | |
| | FiberTite Magnum Fastener | OMG XHD | SFS Dekfast DF-#15-PH3 | Trufast #15 EHD | |
| | FTR Magnum O Fastener | | | | |
| | FTR MagnumT Fastener | | | | |
| | **PLATE OPTIONS** | | | | |
| | FiberTite 3-in Steel Plate, OMG 3" Galvalume Plate, SFS Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | | | | |
| STEEL | **FASTENER OPTIONS** | | | | Min. 0.75-inch penetration |
| | FiberTite #12 | OMG #12 Standard | SFS Dekfast DF-#12-PH3 | Trufast #12 DP | |
| | FiberTite #14 | OMG Heavy Duty | SFS Dekfast DF-#14-PH3 | Trufast #14 HD | |
| | FiberTite Magnum Fastener | OMG XHD | SFS Dekfast DF-#15-PH3 | Trufast #15 EHD | |
| | FTR Magnum O Fastener | | | | |
| | FTR MagnumT Fastener | | | | |
| | **PLATE OPTIONS** | | | | |
| | FiberTite 3-in Steel Plate, OMG 3" Galvalume Plate, SFS Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | | | | |
| STRUCTURAL CONCRETE | **FASTENER OPTIONS** | | | | Non-HVHZ: Min. 1-inch embedment HVHZ: Min. 1.25-inch embedment |
| | FiberTite #14 | OMG Heavy Duty | SFS Dekfast DF-#14-PH3 | Trufast #14 HD | |
| | | OMG CD-10D | SFS Dekfast DF-#15-PH3 | Trufast ¼" Concrete Spike | |
| | **PLATE OPTIONS** | | | | |
| | FiberTite 3-in Steel Plate, OMG 3" Galvalume Plate, SFS Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | | | | |

3.1.2 Insulation:

(a) Unless otherwise noted, insulation may be any one layer or combination of Approved board(s) that meet IBC, FBC 1505 or FBC HVHZ 1516 and, for foam plastic, IBC or FBC Chapter 26, when installed with the roof cover.

(b) For Structural Concrete Deck or Recover Applications using System Type C-1 the base insulation layer is optional and using System Type C-2, D-1 or D-2, the insulation is optional. Alternatively, an Approved insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation. The separator component shall be documented as meeting IBC, FBC 1505 or FBC HVHZ 1516 and, for foam plastic, IBC, FBC Chapter 26, when installed with the roof cover in Recover applications.

(c) Minimum 200 psi, minimum 2-inch thick Approved lightweight insulating concrete may be substituted for, or installed below, rigid insulation board for System Types B-1, C-1, C-2, D-1 or D-2, whereby fasteners are installed through the lightweight insulating concrete to engage the structural deck. The structural deck shall be of equal or greater type, thickness and strength to the steel and structural concrete deck listings. Roof decks and structural members shall be in accordance with applicable Code requirements to the satisfaction of the Authority Having Jurisdiction. This is a wind uplift resistance allowance and does not purport to address non-wind-uplift-related issues, such as deck venting or moisture levels within the LWIC and the potential effect on overlying components.


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(d) Florida Specific: Lightweight insulating concrete (LWIC) shall be cast in accordance with FBC Section 1917 to the satisfaction of the Authority Having Jurisdiction. For systems where specific LWIC is referenced, refer to current LWIC Florida Product Approval or NOA for specific deck construction and limitations. Unless otherwise noted, for systems where specific LWIC is not referenced, the minimum design mix shall be 300 psi. In all cases, the minimum top-coat thickness is 2-inches. For LWIC over structural concrete, reference is made to FBC Section 1917.4.1, Point 1. For "pre-existent" LWIC references, listings were established through testing over lightweight concrete cast using only foaming agent (ASTM C896), water and Portland cement (ASTM C150), with no proprietary additives, in accordance with procedures adopted by Miami-Dade BCCO (FBC CER1592). Use of these listings in new construction or re-roof (tear-off) applications is at the discretion of the Designer or Record and Authority Having Jurisdiction.

(e) Unless otherwise noted, rigid board insulation or coverboard attachment patterns for Type B-1, B-2 and C-1 systems are as outlined below.

**TABLE 4A: INSULATION ATTACHMENT PATTERNS – 4X4 FT BOARDS**

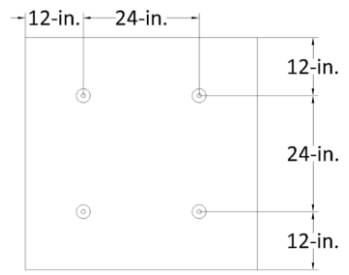
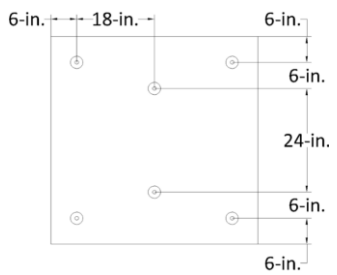
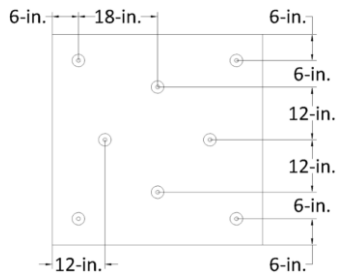
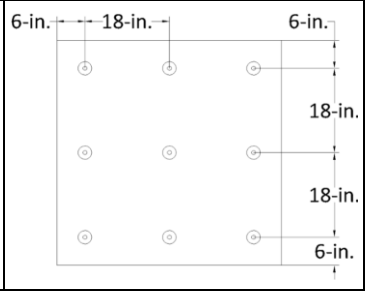
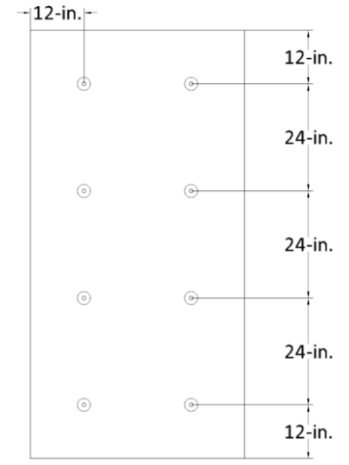
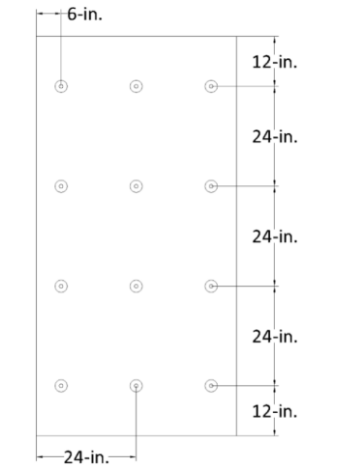
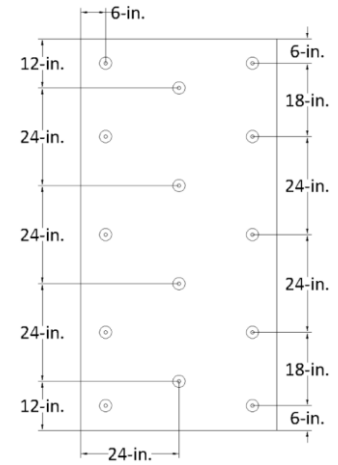
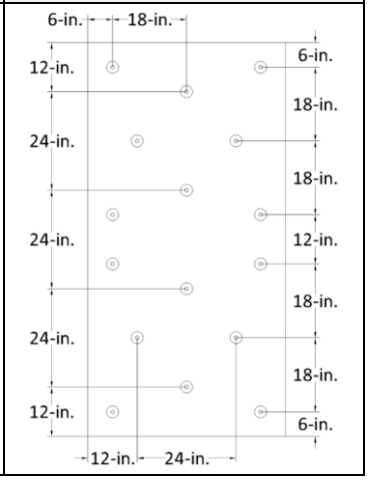
| 1 per 4.0 ft² (4 per board) | 1 per 2.7 ft² (6 per board) | 1 per 2.0 ft² (8 per board) | 1 per 1.8 ft² (9 per board) |
|---|---|---|---|
|  |  |  |  |

**TABLE 4B: INSULATION ATTACHMENT PATTERNS – 4X8 FT BOARDS**

| 1 per 4.0 ft² (8 per board) | 1 per 2.7 ft² (12 per board) | 1 per 2.3 ft² (14 per board) | 1 per 2.0 ft² (16 per board) |
|---|---|---|---|
|  |  |  |  |

(f) Preliminary insulation attachment:

- IBC, FBC Non-HVHZ: Unless otherwise noted, use FBC Approved (Local or Statewide) roofing fasteners and plates and refer to Section 2.2.10.1.3 of FM Loss Prevention Data Sheet 1-29.
- FBC HVHZ: Unless otherwise noted, use FBC HVHZ Approved roofing fasteners and plates minimum four fasteners per 4 x 8 ft board or minimum two fasteners per 4 x 4 ft board.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3.1.3 Insulation Adhesives:

(a) Unless otherwise noted, insulation adhesive application rate is continuous ribbons, maximum 12-inch o.c. Ribbons shall be applied and insulation boards shall be set in accordance with the manufacturer's published instructions. When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, boards shall be staggered from layer-to-layer. The maximum edge distance from the adhesive ribbon to the edge of the insulation board shall be not less than one-half the specified ribbons spacing.

- When applied to profiled steel roof deck, ribbons shall be applied to the top-flange so as to establish positive-contact with the overlying insulation board.
- Concrete deck shall be primed with ASTM D41 primer prior to asphalt-application

**TABLE 5: INSULATION ADHESIVE REFERENCES**

| BY | ADHESIVE | REFERENCE | RATE |
|---|---|---|---|
| Seaman Corporation | FTR 601 | FTR 601 | Continuous ribbons, max. 12-inch o.c. |
| | FTR-601 PG | FTR-601 PG | Continuous ribbons, max. 12-inch o.c. |
| | FTR-601 ECO | FTR-601 ECO | Continuous 1 to 1.5-inch ribbons, 12-inch o.c. |
| OMG | OlyBond 500 | OB500 | Continuous ribbons, max. 12-inch o.c. |
| ICP Construction | Polyset Commercial Roof Adhesive | Polyset CRA | Continuous ribbons, max. 12-inch o.c. |
| Generic | ASTM D312, Type IV asphalt | hot asphalt | Full-coverage at 25-30 lbs/square |

(b) Unless otherwise noted, all adhered insulations are flat-stock or taper board of the minimum thickness noted. Tapered polyisocyanurate at the following thickness limitations may be substituted with the following Maximum Design Pressure (MDP) limitations. In no case shall these values be used to 'increase' the MDP listings in the tables; rather if MDP listing below meets or exceeds that listed for a particular system in the tables, then the thinner board listed below may be used as a drop-in for the equivalent thicker material listed in the selected assembly.

**TABLE 6: MDP LIMITATIONS FOR TAPERED POLYISOCYANURATE INSULATIONS**

| ADHESIVE | INSULATION | MIN. TAPERED THICKNESS (IN) | MDP (psf) |
|---|---|---|---|
| FTR 601 or FTR-601 PG | Any listed polyisocyanurate herein | 0.5 | -360.0 |
| OB500 | FTR-Value or FTR-Value H | 0.5 | -315.0 |
| OB500 | FTR-Value A | 0.5 | -487.5 |
| Polyset CRA | Any listed polyisocyanurate herein | 1.0 | -117.5 |

(c) Adhered Insulation, Board Size:

- IBC, FBC Non-HVHZ: Unless otherwise noted, refer to Section 2.2.10.6.2 of FM Loss Prevention Data Sheet 1-29.
- FBC HVHZ: Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.

3.1.4 Roof Covers:

(a) For bonded membrane applications, unless otherwise noted, refer to the following.

**TABLE 7: MEMBRANE / ADHESIVE COMBINATIONS**

| REFERENCE | LAYER | MATERIAL | APPLICATION | | |
|---|---|---|---|---|---|
| | | | ADHESIVE | METHOD | RATE |
| BB1-190E | Roof Cover: | FiberTite, or FiberTite XT | FTR-190e | Contact application | 1.0 gallon/square per surface |
| BB2-190E | Roof Cover: | FiberTite-SM or FiberTite XTreme | | | |
| BB3-ATBA | Roof Cover: | FiberTite, or FiberTite XT | Alpha-Tite Bonding Adhesive | Contact application | 0.83 to 1.0 gallon/square per surface, depending on substrate porosity |
| BB4-ATBA | Roof Cover: | FiberTite-SM or FiberTite XTreme | | | |
| FB1-290 | Roof Cover: | FiberTite-FB, -SM FB, -XT FB or -XTreme FB | FTR-290 | Wet lay | 1.0 gallon/square |
| FB2-390 | Roof Cover or Cap Ply: | FiberTite-FB, -SM FB, -XT FB or -XTreme FB | FTR-390 | Wet lay | 1.67 to 2.5 gallon/square, depending on substrate porosity |
| FB3-490 | Roof Cover: | FiberTite-FB, -SM FB, -XT FB or -XTreme FB | FTR-490 | Wet lay | 0.85 to 1.0 gallon/square, depending on substrate porosity |
| FB4-HA | Roof Cover or Cap Ply: | FiberTite-FB, -SM FB, -XT FB or -XTreme FB | hot asphalt | Wet lay | 25-30 lbs/square |


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**TABLE 7: MEMBRANE / ADHESIVE COMBINATIONS**

| REFERENCE | LAYER | MATERIAL | APPLICATION | | |
|---|---|---|---|---|---|
| | | | ADHESIVE | METHOD | RATE |
| FB5-CR20 | Roof Cover or Cap Ply: | FiberTite-FB, -SM FB, -XT FB or -XTreme FB | ICP Adhesives "Polyset Commercial Roof Adhesive" | Wet lay | Spatter-applied, full coverage |
| FB6-601PG | Roof Cover or Cap Ply: | FiberTite-FB, -SM FB, -XT FB or -XTreme FB | FTR-601 PG | Wet lay | Spatter-applied, 4.0 lbs/square |
| FB7-CEFA | Roof Cover or Cap Ply: | FiberTite-FB, -SM FB, -XT FB or -XTreme FB | SOPREMA "COLPLY EF Adhesive" | Wet lay | 2.0 gallon/square |
| FB8-601ECO | Roof Cover or Cap Ply: | FiberTite-FB, -SM FB, -XT FB or -XTreme FB | FTR-601 ECO | Wet lay | Spatter-applied, 4.0 lbs/square |
| BP1-HA | Vapor Barrier, Base Ply or Ply: | FTR SBS Poly 3.0, FTR SBS Poly 3.7 or FTR SBS Poly 4.0 | Hot asphalt | Wet lay (substrate) | 25-30 lbs/square |
| BP2-FTRSBSA | Vapor Barrier, Base Ply or Ply: | FTR SBS Poly 3.0, FTR SBS Poly 3.7 or FTR SBS Poly 4.0 | FTR SBS Adhesive | Wet lay (substrate) | 1.5-2.0 gallon/square, depending on substrate porosity |
| BP3-CEFA | Vapor Barrier, Base Ply or Ply: | FTR SBS Poly 3.0, FTR SBS Poly 3.7 or FTR SBS Poly 4.0 | SOPREMA "COLPLY EF Adhesive" | Wet lay (substrate) | 1.5-2.0 gallon/square, depending on substrate porosity |
| BP4-TA | Vapor Barrier, Base Ply or Ply: | FTR SBS Poly 3.0, FTR SBS Poly 3.7 or FTR SBS Poly 4.0 | torch-applied | torch-applied | full-bond |

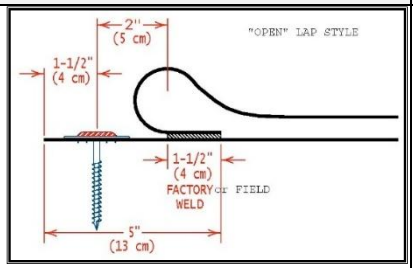
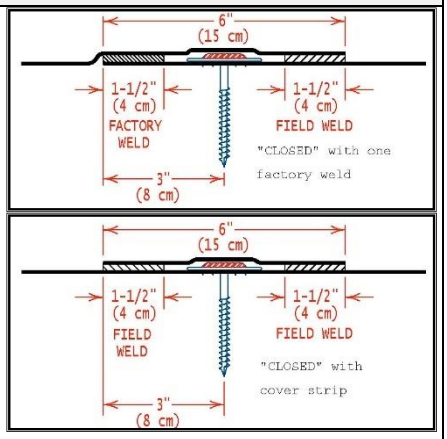
**Notes:** Cellular lightweight insulating concrete may be optionally primed with DETEC "TruGround Conductive Primer" prior to application of subsequent FB6-601PG membranes.

The following substrates may be optionally primed with DETEC "TruGround Conductive Primer" prior to application of subsequent BB1-190E, BB2-190E, BB3-ATBA or BB4-ATBA membranes.

- ✓ DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or DensDeck Prime,
- ✓ SECUROCK Cement Roof Board,
- ✓ Polyisocyanurate (cellulose-face and coated-glass faced) boards.

(b) For single-ply membranes in System Type D-1 steel deck applications, the roof membrane shall be run with its length perpendicular to the steel deck flutes. Seaman Corporation offers two (2) 'styles' of attachment; "Open" and "Closed", as detailed below.

**TABLE 8: FIBERTITE MEMBRANE ATTACHMENT 'STYLES'**

| "OPEN" ATTACHMENT | "CLOSED" ATTACHMENT |
|---|---|
| "Open" attachment involves a 5-inch lap with a 1½-inch factory-weld or field-weld. The stress plates and fasteners are installed with the centerline located 1½-inch from the underlying membrane edge. Attachment is expressed as follows: Open: <maximum fastener spacing> x <maximum lap spacing>.   | "Closed" attachment involves either a 6-inch lap with a 1½-inch factory-weld with the stress plates and fasteners located along the centerline of the lap, followed by a 1½-inch field-weld, or stress plate and fastener placement through the field of the membrane and covered with a 6-inch wide strip of FiberTite membrane with 1½-inch field welds on both sides. Attachment is expressed as follows: Closed: <max fastener spacing> x <max row spacing>.   |

(c) For System Type C-2 (induction weld), care shall be taken to ensure that the plates do not line-up with membrane seams. This condition may preclude proper induction welding of the membrane to the plates.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3.1.5 Vapor Barriers:

(a) For System Types B-1, B-2, C-1, C-2, D-1 or Type D-2, an optional thermal barrier and/or self-adhering vapor barrier membrane, such as VaporTite or FTR SBS Poly SA, may be installed atop the roof deck prior to installation of the insulation and roof cover. Refer to FM Loss Prevention Data Sheet 1-29 for design and installation recommendations and limitations.

(b) FiberTite VBX, mechanically attached using FiberTite #14 fasteners or FiberTite Magnum fasteners (steel only) with FiberTite Magnum-Plus Seam Plates spaced 24-in. o.c. within the 8-in. wide side laps; laps sealed with 1.5-in. heat weld, may be optionally installed over wood, steel or structural concrete deck or over lightweight concrete over steel or structural concrete deck (attached through the LWC to engage the structural deck) in the following system types, to a MDP of -82.5 psf.

- ✓ System Types B-1 and C-1.
- ✓ System Type C-2 with any grid pattern, or with row spacing not to exceed 60-inch o.c.
- ✓ System Type D-1 with row spacing not to exceed 60-inch o.c.

(c) Refer to Section 4.3 herein for options where the vapor barrier forms part of the load path.

3.1.6 Hurricane Storm Shelters:

(a) Refer to Table 10 for systems having met ICC 500 impact resistance requirements for use on Hurricane Storm Shelters

(b) Unless otherwise noted, sub-assembly components may be adhered or mechanically attached

## 4. LIMITATIONS OF USE:

### 4.1 General:

4.1.1 This is a building code evaluation. NEMO CERT, LLC is not, in any way, the Designer of Record for any project on which this NER, or previous versions thereof, is/was used for permitting or design guidance. NERs are not to be construed as representing any attributes not specifically listed, nor are NERs to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by NEMO CERT, LLC, express or implied, as to any finding or other matter in this report, or as to any product covered by the report.

4.1.2 Roof Decks:

(a) This NER pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.

(b) OSB sheathing is not permitted in FBC HVHZ jurisdictions.

(c) Unless otherwise noted, reference to 'structural concrete' pertains to min. 2,500 psi structural concrete, and excludes 'structural lightweight concrete'.

(d) FBC HVHZ Specific: The table below lists various 'as-tested' deck conditions in accordance with Testing Application Standard TAS 114(J). In no case shall these values be used to 'increase' the MDP listings for the selected systems; the lesser MDP applies.

**TABLE 9 AS-TESTED DECK ATTACHMENT DETAILS (TAS 114, APPENDIX J)**

| TYPE | AS TESTED SUB-ASSEMBLY | | | |
|---|---|---|---|---|
| | SPAN (INCH O.C.) | FASTENER | SPACING (INCH O.C.) | MDP (psf) |
| 15/32-inch APA rated CDX plywood | Span: 24<br>Blocking: 48 | #8 wood screws | 6 | -112.5 |
| 19/32-inch APA rated CDX plywood | Span: 24<br>Blocking: 48 | #8 wood screws | 6 | -75.0 |
| | 24 | 8d ring shank nails | 6 | -90.0 |
| 20 ga., Type B, Grade 33 steel | 60 | #12 HWH Teks 5 | 6 | -90.0 |
| 22 ga., Type B, Grade 33 steel | 48 | #12 HWH Teks 5 | 6 | -82.5 |
| | 60 | 5/8" puddle welds | 6 | -112.5 |
| | 72 | 12-24 x 1¼ HWH Impax 45 screws | 6 | -67.5 |
| | 72 | SFS SD5-#12-HW5/16 with ¾-inch steel washers | 6 | -82.5 |
| | 72 | #12 HWH Tek 5 | 6 | -105.0 |
| | 72 | 5/8" puddle welds | 6 | -105.0 |


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| TABLE 9 AS-TESTED DECK ATTACHMENT DETAILS (TAS 114, APPENDIX J) | | | | |
|---|---|---|---|---|
| TYPE | AS TESTED SUB-ASSEMBLY | | | |
| | SPAN (INCH O.C.) | FASTENER | SPACING (INCH O.C.) | MDP (psf) |
| 22 ga., Type B, Grade 40 steel | 72 | #12 HWH Tek 5 | 6 | -90.0 |
| | 72 | #12 HWH Tek 5 with ¾-inch washers | 6 | -105.0 |
| | 72 | 5/8-inch puddle welds | 6 | -127.5 |
| 18 ga., Type B, Grade 50 steel | 72 | #12 HWH Teks 5 with ¾-inch washers | 6 | -157.5 |
| 22 ga., Type B, Grade 50 steel | 72 | 5/8-inch puddle welds. | 6 | -45.0 |
| 18 ga., Type N, Grade 60 steel | 120 | Two (2) Hilti X-ENP-19 | 8 | -127.5 |
| 18 ga., Type B, Grade 80 steel | 92 | 5/8-inch puddle welds and ¼-inch X 20 Daggerz Hex Washer Head screw with ¾-inch flat washer | Weld: 12<br>Screw: 6 | -120.0 |
| 22 ga., Type B, Grade 80 steel | 60 | 5/8" puddle welds | 6 | -75.0 |
| | 60 | #12 HWH Teks 5 | 6 | -97.5 |
| | 60 | #12 HWH Tek 5 with ¾-inch washers | 6 | -202.5 |
| | 72 | 12-24 x 1¼ HWH Impax screws | 6 | -45.0 |
| | 72 | 12-24 x 1¼ HWH Impax 45 screws | 6 | -52.5 |
| | 72 | #12 HWH Teks 5 | 6 | -112.5 |
| | 72 | #12 HWH Teks 5 with ¾-inch washers | 6 | -157.5 |
| Note: | Steel deck stress analysis is the responsibility of others to the satisfaction of the Authority Having Jurisdiction | | | |

4.1.3 Hurricane Storm Shelters:

(a) This section of the NER covers use of the subject product on Hurricane Storm Shelters, and does not purport to evaluate for use on Emergency Shelters.

(b) Roof assemblies shall be designed using design wind speeds set forth in ICC-500, and be tested to minimum 1.2 times design pressure.

(c) Refer to Table 10 for systems having met ICC 500 impact resistance requirements for use on Hurricane Storm Shelters.

| TABLE 10: IMPACT RESISTANT ASSEMBLIES PER ICC-500 HURRICANE STORM SHELTERS | | | | |
|---|---|---|---|---|
| **SHELTER TYPE:** | Hurricane | | | |
| **SURFACE TYPE:** | Horizontal (roof) | | | |
| **Missile size:** | 9 lb 2x4 | | | |
| **Design Wind Speed:** | 220 mph | | | |
| **Missile speed:** | 0.10 x design wind speed = 22 mph | | | |
| **Criteria 1:** | No missile penetration through deck, per ICC-500 | | | |
| **Criteria 2:** | No missile penetration through roof cover | | | |
| **System no.** | **Deck** | **Insulation (3.1.6a)** | **Coverboard** | **Roof Cover (3.1.4)** |
| H-1. | Min. 22 ga., Type B, Grade 40 steel at min. 6 ft span or structural concrete | One or more layer(s), Min. 1.5-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | BB1-190E, BB2-190E, BB3-ATBA, BB4-ATBA |
| H-2. | Min. 22 ga., Type BV, Grade 40 steel at min. 6 ft span or structural concrete | Min. 460 psi, min. 2-inch thick cellular lightweight concrete | None | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20, FB6-601PG, FB7-CEFA, FB8-601ECO |


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4.1.3 Fire Classification:

(a) Refer to **IBC, FBC 1505, FBC HVHZ 1516, UL TGFU.R10117** and the fire classification certificate for the roof cover manufacturer for requirements and limitations regarding roof assembly fire classification.

(b) Refer to **IBC or FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.

4.1.4 Quality Assurance:

All components in the roof assembly shall have quality assurance surveillance. For Florida Product Approval, this shall be in accordance with **F.A.C. Rule 61G20-3**. For components listed herein that are produced by a manufacturer other than the report holder on Page 1 of this NER, refer to the supporting evidence held by the component manufacturer.

4.2 **Jurisdiction Specific:**

| | IBC, FBC Non-HVHZ | HVHZ |
|---|---|---|
| 4.2.1 | This NER does not include evaluation of roof edge termination. Refer to **IBC 1504.6 or FBC 1504.5** for requirements and limitations regarding edge securement for low-slope roofs. | This NER does not include evaluation of roof edge termination. Refer to **RAS 111** for requirements and limitations regarding edge securement for low-slope roofs. |
| 4.2.2 | Refer to **IBC 1512 or FBC 1511** for requirements and limitations regarding recover installations. | Refer to **FBC HVHZ 1521** for requirements and limitations regarding recover installations. |
| (a) | For mechanical attachment to existing roof decks, fasteners shall be tested for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with **ANSI/SPRI FX-1** or **TAS 105**. | For mechanical attachment to existing roof decks, fasteners shall be tested for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with **TAS 105**. |
| (b) | For adhered re-roof (tear off) installation, the existing substrate shall be examined for compatibility with the adhesive. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with **ANSI/SPRI IA-1**, **FM Loss Prevention Data Sheet 1-52** or **TAS 124** shall be conducted on mock-ups of the proposed interface. | For adhered re-roof (tear off) installation, the existing substrate shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with **TAS 124** shall be conducted on mock-ups of the proposed interface. |
| (c) | For adhered recover installation, the existing roof system shall meet project design pressure requirements on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with **FM Loss Prevention Data Sheet 1-52** or **TAS 124**. | For adhered recover installation, the existing roof system shall meet project design pressure requirements on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with **TAS 124**. |

4.2.3 Wind Load Resistance:

(a) Refer to Section 4.3 for a tabulated summary of assembly listings and maximum allowable design pressures.

| | | |
|---|---|---|
| (b) | "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 *(the 2 to 1 margin of safety per **FBC 1504.9** has already been applied)*. Refer to **IBC, FBC 1609** for determination of design wind loads. | "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 *(the 2 to 1 margin of safety per **TAS 114** has already been applied)*. Refer to **FBC HVHZ 1620** or **RAS 128** for determination of design wind loads. |


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| IBC, FBC Non-HVHZ | HVHZ |
|---|---|
| (c) The MDP for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **IBC, FBC Chapter 16**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are **ANSI/SPRI WD1**, **FM Loss Prevention Data Sheet 1-29**, **RAS 117** and **RAS 137**. Assemblies marked with an asterisk* carry the limitations set forth in **Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29** for Zone 2/3 enhancements. | The MDP for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **FBC HVHZ 1620** or **RAS 128**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Analysis shall be in accordance with **RAS 117** or **RAS 137**. |
| (d) For fully-adhered installations, the maximum design pressure for the selected assembly shall meet or exceed the critical design pressure. Rational analysis is not permitted. | For assemblies marked with an asterisk*, the maximum design pressure (MDP) limitation shall be applicable to all roof pressure zones. Rational analysis is not permitted. |


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## 4.3 System Listings and Allowable Design Pressures: See Section 4.2.3

4.3.1 Thermal Barriers / Vapor Barriers: The lesser of the MDP listings below vs. that for the selected roof assembly from Section 4.3.2 applies.

(a) Structural Concrete Decks:

**TABLE VB-1: STRUCTURAL CONCRETE DECK**
**VAPOR BARRIER FOLLOWED BY ADHERED INSULATION**

| OPTION # | PRIMER | VAPOR BARRIER | | INSULATION ADHESIVE PER TABLE 13A & TABLE 13B | MDP (PSF) |
|---|---|---|---|---|---|
| | | TYPE | APPLICATION | | |
| C-VB-1. | ASTM D41 | FTR SBS Poly 3.0, FTR SBS Poly 3.7 or FTR SBS Poly 4.0 | hot asphalt | hot asphalt, 25-30 lbs/square | -210.0 |
| C-VB-2. | ASTM D41 | FTR SBS Poly 3.0, FTR SBS Poly 3.7 or FTR SBS Poly 4.0 | torch-applied | hot asphalt, 25-30 lbs/square | -210.0 |
| C-VB-3. | ASTM D41 | Smooth-surfaced, asphalt built-up roof | hot asphalt | hot-asphalt, 25-30 lbs/square | -375.0 |
| C-VB-4. | None | FTR SBS Poly 3.0 | FTR SBS Adhesive, continuous ribbons, 12-inch o.c. | FTR 601 or FTR-601 PG, ribbons 12-inch o.c. | -75.0 |
| C-VB-5. | None | FTR SBS Poly 3.7 | FTR SBS Adhesive, continuous ribbons, 12-inch o.c. | FTR 601 or FTR-601 PG, ribbons 12-inch o.c. | -105.0 |
| C-VB-6. | FTR SA Primer | VaporTite or FTR SBS Poly SA | self-adhering | FTR 601, FTR-601 PG or FTR-601 ECO, ribbons 12-inch o.c. | -180.0 |
| C-VB-7. | None | BlockShield SA | self-adhering | FTR 601 or FTR-601 PG, ribbons 12-inch o.c. | -185.5 |
| C-VB-8. | ELASTOCOL Stick | VaporTite or FTR SBS Poly SA | self-adhering | FTR 601, FTR-601 PG or FTR-601 ECO, ribbons 12-inch o.c. | -210.0 |
| C-VB-9. | ASTM D41 | FTR SBS Poly 3.0 or FTR SBS Poly 3.7 | torch-applied | FTR-601 ECO, ribbons 12-inch o.c. | -210.0 |
| C-VB-10. | ASTM D41 | FTR SBS Poly 3.0, FTR SBS Poly 3.7 or FTR SBS Poly 4.0 | hot asphalt, FTR SBS Adhesive at 1.5-2.0 gal/square or SOPREMA "COPLY EF Adhesive" at 1.5-2.0 gal/square. | FTR 601 or FTR-601 PG, ribbons 12-inch o.c. | -225.0 |
| C-VB-11. | ASTM D41 | FTR SBS Poly 3.0, FTR SBS Poly 3.7 or FTR SBS Poly 4.0 | torch-applied | FTR 601 or FTR-601 PG, ribbons 12-inch o.c. | -225.0 |
| C-VB-12. | None | SlopeShield Plus SA | self-adhering | FTR 601 or FTR-601 PG, ribbons 6-inch o.c. | -75.0 |
| C-VB-13. | None | BlockShield SA | self-adhering | FTR 601 or FTR-601 PG, ribbons 6-inch o.c. | -202.5 |
| C-VB-14. | ASTM D41 | FTR SBS Poly 3.0, FTR SBS Poly 3.7 or FTR SBS Poly 4.0 | hot asphalt, FTR SBS Adhesive at 1.5-2.0 gal/square or SOPREMA "COPLY EF Adhesive" at 1.5-2.0 gal/square. | FTR 601 or FTR-601 PG, ribbons 6-inch o.c. | -372.3 |
| C-VB-15. | ASTM D41 | FTR SBS Poly 3.0, FTR SBS Poly 3.7 or FTR SBS Poly 4.0 | torch-applied | FTR 601 or FTR-601 PG, ribbons 6-inch o.c. | -372.3 |


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### 4.3.2 Roof Assemblies:

**ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE**

| TABLE | DECK | APPLICATION | TYPE | DESCRIPTION | PAGE |
|---|---|---|---|---|---|
| 11A | Wood | New, Reroof (Tear-Off) | A-2 | Bonded Vapor Barrier, Bonded Insulation(s), Bonded Roof Cover (not for use in FBC HVHZ jurisdictions) | 15 |
| 11B | Wood | New, Reroof (Tear-Off) or Recover | B-1 | Mechanically Attached Base Insulation, Bonded Top Insulation(s), Bonded Roof Cover | 16 |
| 11C | Wood | New, Reroof (Tear-Off) | B-2 | Mechanically Attached Thermal Barrier, Bonded Vapor Barrier, Bonded Insulation(s), Bonded Roof Cover | 17 |
| 11D | Wood | New, Reroof (Tear-Off) or Recover | C-1 | Mechanically Attached Insulation, Bonded Roof Cover | 18 |
| 11E | Wood | New, Reroof (Tear-Off) or Recover | C-2 | Mechanically Attached Insulation, Induction Welded Roof Cover | 20 |
| 11F | Wood | New, Reroof (Tear-Off) or Recover | D-1 | Insulated, Mechanically Attached Roof Cover | 21 |
| 11G | Wood | New, Reroof (Tear-Off) or Recover | D-1 | Insulated, Bonded Vapor Barrier, Mechanically Attached Roof Cover | 22 |
| 11H | Wood | New, Reroof (Tear-Off) or Recover | E-1 | Non-Insulated, Mechanically Attached Roof Cover | 22 |
| 12A | Steel | New, Reroof (Tear-Off) | A-1 | Bonded Insulation(s), Bonded Roof Cover | 23 |
| 12B | Steel | New, Reroof (Tear-Off) | A-2 | Bonded Vapor Barrier, Bonded Insulation(s), Bonded Roof Cover | 24 |
| 12C | Steel or Structural Concrete | New, Reroof (Tear-Off) or Recover | B-1 | Mechanically Attached Base Insulation, Bonded Top Insulation(s), Bonded Roof Cover | 25 |
| 12D | Steel or Structural Concrete | New, Reroof (Tear-Off) or Recover | B-1 | Mechanically Attached Base Insulation, Bonded Top Insulation(s), Bonded Multi-Ply Roof Cover | 37 |
| 12E | Steel | New or Reroof (Tear-Off) | B-2 | Mechanically Attached Thermal Barrier, Bonded Vapor Barrier, Bonded Insulation(s), Bonded Roof Cover | 38 |
| 12F | Steel | New or Reroof (Tear-Off) | B-2 | Mechanically Attached Thermal Barrier, Bonded Vapor Barrier, Bonded Insulation(s), Bonded Multi-Ply Roof Cover | 52 |
| 12G | Steel or Structural Concrete | New, Reroof (Tear-Off) or Recover | C-1 | Mechanically Attached Insulation, Bonded Roof Cover | 56 |
| 12H | Steel or Structural Concrete | New, Reroof (Tear-Off) or Recover | C-1 | Mechanically Attached Insulation, Bonded Multi-Ply Roof Cover | 63 |
| 12I | Steel | New, Reroof (Tear-Off) or Recover | C-2 | Mechanically Attached Insulation, Induction Welded Roof Cover | 65 |
| 12J | Steel | New, Reroof (Tear-Off) or Recover | D-1 | Insulated, Mechanically Attached Roof Cover | 72 |
| 13A | Structural Concrete | New or Reroof (Tear-Off) | A-1 | Bonded Insulation(s), Bonded Roof Cover | 76 |
| 13B | Structural Concrete | New or Reroof (Tear-Off) | A-1 | Bonded Insulation(s), Bonded Multi-Ply Roof Cover | 87 |
| 13C | Structural Concrete | New, Reroof (Tear-Off) or Recover | C-2 | Mechanically Attached Insulation, Induction Welded Roof Cover | 90 |
| 13D | Structural Concrete | New, Reroof (Tear-Off) or Recover | D-1 | Insulated, Mechanically Attached Roof Cover | 93 |
| 13E | Structural Concrete | New or Reroof (Tear-Off) | F | Non-Insulated, Bonded Multi-Ply Roof Cover | 94 |
| 13F | Structural Concrete | New or Reroof (Tear-Off) | G | Perimeter Attached Roof Cover, Pressure Equalizing Vent | 95 |
| 14A | Existing Lightweight Concrete | Reroof (Tear-Off) | A-1 | Bonded Insulation(s), Bonded Roof Cover | 95 |
| 14B | Lightweight Concrete | New or Reroof (Tear-Off) | A-2 | Bonded Vapor Barrier, Bonded Insulation(s), Bonded Roof Cover | 96 |
| 14C | Lightweight Concrete | New or Reroof (Tear-Off) | F | Non-Insulated, Bonded Roof Cover | 96 |
| 15A | Cementitious Wood Fiber | New or Reroof (Tear-Off) | A-1 | Bonded Insulation(s), Bonded Roof Cover | 98 |
| 15B | Cementitious Wood Fiber | New or Reroof (Tear-Off) | A-1 | Bonded Insulation(s), Bonded Multi-Ply Roof Cover | 100 |
| 15C | Cementitious Wood Fiber | Reroof (Tear-Off) or Recover | D-1 | Insulated, Mechanically Attached Roof Cover | 101 |
| 16A | Existing Gypsum | Reroof (Tear-Off) | A-1 | Bonded Insulation(s), Bonded Roof Cover | 101 |
| 16B | Existing Gypsum | Reroof (Tear-Off) | A-1 | Bonded Insulation(s), Bonded Multi-Ply Roof Cover | 104 |
| 16C | Existing Gypsum | Reroof (Tear-Off) | D-1 | Insulated, Mechanically Attached Roof Cover | 105 |
| 17A | Various | Recover | A-1 | Bonded Insulation(s), Bonded Roof Cover | 105 |
| 17B | Various | Recover | A-1 | Bonded Insulation(s), Bonded Multi-Ply Roof Cover | 113 |

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## ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

| TABLE | DECK | APPLICATION | TYPE | DESCRIPTION | PAGE |
|---|---|---|---|---|---|
| 17C | Steel | Recover | C-2 | Mechanically Attached Insulation, Induction Welded Roof Cover | 115 |
| 17D | Steel | Recover | D-1 | Insulated, Mechanically Attached Roof Cover | 116 |
| 17E | Various | Recover | F | Non-Insulated, Bonded Roof Cover | 117 |

## TABLE 11A: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)
## SYSTEM TYPE A-2: BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED ROOF COVER
**NOT FOR USE IN HVHZ JURISDICTIONS**

| System No. | Deck (4.1.2) | Vapor Barrier (3.1.4) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|---|
| | | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| **FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN FTR-190E:** | | | | | | | | |
| W-1. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | SlopeShield Plus SA, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | Min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | BB1-190E or BB2-190E | -75.0 |
| W-2. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | BlockShield SA Plus, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | Min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | BB1-190E or BB2-190E | -112.5 |
| **FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN ALPHA-TITE BONDING ADHESIVE:** | | | | | | | | |
| W-3. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | SlopeShield Plus SA, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | Min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -75.0 |
| W-4. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | BlockShield SA Plus, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | Min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -112.5 |
| **FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN FB1-290, FB2-390, FB3-490 OR FB4-HA:** | | | | | | | | |
| W-5. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | SlopeShield Plus SA, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | Min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | FB1-290, FB2-390, FB3-490 or FB4-HA | -75.0 |
| W-6. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | BlockShield SA Plus, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | Min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | FB1-290, FB2-390, FB3-490 or FB4-HA | -112.5 |
| **FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN POLYSET COMMERCIAL ROOF ADHESIVE (SPATTER) OR FTR-601 PG (SPATTER):** | | | | | | | | |
| W-7. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | SlopeShield Plus SA, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | Min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | FB5-CR20 or FB6-601PG | -75.0 |


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| TABLE 11A: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)<br>SYSTEM TYPE A-2: BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED ROOF COVER<br>NOT FOR USE IN HVHZ JURISDICTIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Vapor Barrier (3.1.4) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf) |
| | | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| W-8. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | BlockShield SA Plus, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | Min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | FB5-CR20 or FB6-601PG | -112.5 |

| TABLE 11B: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf) |
| | | Type | Fastener (3.1.1, 4.2.2) | Attach | Type | Attach (3.1.3) | | |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN FTR-190E: | | | | | | | | |
| W-9. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | Min. 1.5-inch FTR-Value A | Section 3.1.1 (#14 or #15 screws) | 1 per 1.8 $ft^2$ | Min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB1-190E or BB2-190E | -60.0 |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN ALPHA-TITE BONDING ADHESIVE: | | | | | | | | |
| W-10. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | Min. 1.5-inch FTR-Value A | Section 3.1.1 (#14 or #15 screws) | 1 per 1.8 $ft^2$ | Min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB3-ATBA or BB4-ATBA | -60.0 |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN FTR-290, FTR-390 OR HOT ASPHALT: | | | | | | | | |
| W-11. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | Min. 1.5-inch FTR-Value A | Section 3.1.1 (#14 or #15 screws) | 1 per 1.8 $ft^2$ | Min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB1-290, FB2-390 or FB4-HA | -60.0 |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN FTR-490: | | | | | | | | |
| W-12. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | Min. 1.5-inch FTR-Value A | Section 3.1.1 (#14 or #15 screws) | 1 per 1.8 $ft^2$ | Min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FTR-490 | -60.0 |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN POLYSET COMMERCIAL ROOF ADHESIVE (SPATTER) OR FTR-601 PG (SPATTER): | | | | | | | | |
| W-13. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | Min. 1.5-inch FTR-Value A | Section 3.1.1 (#14 or #15 screws) | 1 per 1.8 $ft^2$ | Min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB5-CR20 or FB6-601PG | -60.0 |


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| TABLE 11C: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED ROOF COVER | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Thermal Barrier | | | Primer | Vapor Barrier (3.1.4) | Insulation Layer(s) | | Roof Cover (3.1.4) | MDP (psf) |
| | | Type | Fasten (3.1.1, 4.2.2) | Attach | | | Type | Attach (3.1.3) | | |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN FTR-190E: | | | | | | | | | | |
| W-14. | Min. 19/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | Min. 0.25-inch DensDeck Prime | Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate | 1 per 1.45 $ft^2$ | None | BlockShield SA Plus or SlopeShield Plus SA, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR- Value or FTR- Value H followed by min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | BB1-190E or BB2-190E | -60.0 |
| W-15. | Min. 19/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | Min. 0.5-inch DensDeck Prime | Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate | 1 per 1.45 $ft^2$ | None | BlockShield SA Plus or SlopeShield Plus SA, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value or FTR-Value H followed by min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | BB1-190E or BB2-190E | -75.0 |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN ALPHA-TITE BONDING ADHESIVE: | | | | | | | | | | |
| W-16. | Min. 19/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | Min. 0.25-inch DensDeck Prime | Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate | 1 per 1.45 $ft^2$ | None | BlockShield SA Plus or SlopeShield Plus SA, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR- Value or FTR- Value H followed by min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -60.0 |
| W-17. | Min. 19/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | Min. 0.5-inch DensDeck Prime | Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate | 1 per 1.45 $ft^2$ | None | BlockShield SA Plus or SlopeShield Plus SA, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value or FTR-Value H followed by min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -75.0 |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN FB1-290, FB2-390, FB3-490 OR FB4-HA: | | | | | | | | | | |
| W-18. | Min. 19/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | Min. 0.25-inch DensDeck Prime | Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate | 1 per 1.45 $ft^2$ | None | BlockShield SA Plus or SlopeShield Plus SA, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR- Value or FTR- Value H followed by min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | FB1-290, FB2-390, FB3-490 or FB4-HA | -60.0 |
| W-19. | Min. 19/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | Min. 0.5-inch DensDeck Prime | Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate | 1 per 1.45 $ft^2$ | None | BlockShield SA Plus or SlopeShield Plus SA, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value or FTR-Value H followed by min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | FB1-290, FB2-390, FB3-490 or FB4-HA | -75.0 |


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**TABLE 11C: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Thermal Barrier | | | Primer | Vapor Barrier (3.1.4) | Insulation Layer(s) | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Type | Fasten (3.1.1, 4.2.2) | Attach | | | Type | Attach (3.1.3) | | |
| **FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN POLYSET COMMERCIAL ROOF ADHESIVE (SPATTER) OR FTR-601 PG (SPATTER):** | | | | | | | | | | |
| W-20. | Min. 19/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | Min. 0.25-inch DensDeck Prime | Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate | 1 per 1.45 $ft^2$ | None | BlockShield SA Plus or SlopeShield Plus SA, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR- Value or FTR- Value H followed by min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | FB5-CR20 or FB6-601PG | -60.0 |
| W-21. | Min. 19/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | Min. 0.5-inch DensDeck Prime | Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate | 1 per 1.45 $ft^2$ | None | BlockShield SA Plus or SlopeShield Plus SA, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value or FTR-Value H followed by min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | FB5-CR20 or FB6-601PG | -75.0 |

**TABLE 11D: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**
**SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Base Insulation Layer (3.1.2) | Top Insulation Layer | | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|
| | | | Type | Fastener (3.1.1, 4.2.2) | Attach | | |
| **FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN FTR-190E:** | | | | | | | |
| W-22. | Min. 19/32-inch plywood or wood plank | One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR Magnum O Fastener, , OMG #14 Heavy Duty or Trufast #14 HD<br>Plate Options: Dekfast PLT-H-2-7/8, OMG 3" Galvalume Steel Plate, OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.8 $ft^2$ | BB1-190E or BB2-190E | -45.0* |
| W-23. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | One or more layers, any combination, loose laid | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | Fastener Options: Section 3.1.1 (#14 or #15 screws)<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.8 $ft^2$ | BB1-190E or BB2-190E | -45.0 |
| W-24. | Min. 19/32-inch plywood or wood plank | One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR Magnum O Fastener, , OMG #14 Heavy Duty or Trufast #14 HD<br>Plate Options: Dekfast PLT-H-2-7/8, OMG 3" Galvalume Steel Plate, OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | BB1-190E or BB2-190E | -50.0* |
| W-25. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR Magnum O Fastener, OMG #14 Heavy Duty or Trufast #14 HD<br>Plate Options: Dekfast PLT-H-2-7/8, OMG 3" Galvalume Steel Plate, OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.8 $ft^2$ | BB1-190E or BB2-190E | -52.5 |
| **FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN ALPHA-TITE BONDING ADHESIVE:** | | | | | | | |
| W-26. | Min. 19/32-inch plywood or wood plank | One or more layers, any combination, loose laid | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR Magnum O Fastener, OMG OMG #14 Heavy Duty or Trufast #14 HD<br>Plate Options: Dekfast PLT-H-2-7/8, OMG 3" Galvalume Steel Plate, OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.8 $ft^2$ | BB3-ATBA or BB4-ATBA | -45.0* |


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| TABLE 11D: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer (3.1.2) | Top Insulation Layer | | | Roof Cover (3.1.4) | MDP (psf) |
| | | | Type | Fastener (3.1.1, 4.2.2) | Attach | | |
| W-27. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | One or more layers, any combination, loose laid | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | Fastener Options: Section 3.1.1 (#14 or #15 screws)<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.8 $ft^2$ | BB3-ATBA or BB4-ATBA | -45.0 |
| W-28. | Min. 19/32-inch plywood or wood plank | One or more layers, any combination, loose laid | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR Magnum O Fastener, OMG OMG #14 Heavy Duty or Trufast #14 HD<br>Plate Options: Dekfast PLT-H-2-7/8, OMG 3" Galvalume Steel Plate, OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | BB3-ATBA or BB4-ATBA | -50.0* |
| W-29. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR Magnum O Fastener, OMG #14 Heavy Duty or Trufast #14 HD<br>Plate Options: Dekfast PLT-H-2-7/8, OMG 3" Galvalume Steel Plate, OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.8 $ft^2$ | BB3-ATBA or BB4-ATBA | -52.5 |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN FTR-290, FTR-390 OR HOT ASPHALT: | | | | | | | |
| W-30. | Min. 19/32-inch plywood or wood plank | One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR Magnum O Fastener, OMG #14 Heavy Duty or Trufast #14 HD<br>Plate Options: Dekfast PLT-H-2-7/8, OMG 3" Galvalume Steel Plate, OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.8 $ft^2$ | FB1-290, FB2-390 or FB4-HA | -45.0* |
| W-31. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | One or more layers, any combination, loose laid | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | Fastener Options: Section 3.1.1 (#14 or #15 screws)<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.8 $ft^2$ | FB1-290, FB2-390 or FB4-HA | -45.0 |
| W-32. | Min. 19/32-inch plywood or wood plank | One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR Magnum O Fastener, OMG #14 Heavy Duty or Trufast #14 HD<br>Plate Options: Dekfast PLT-H-2-7/8, OMG 3" Galvalume Steel Plate, OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | FB1-290, FB2-390 or FB4-HA | -50.0* |
| W-33. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR Magnum O Fastener, OMG #14 Heavy Duty or Trufast #14 HD<br>Plate Options: Dekfast PLT-H-2-7/8, OMG 3" Galvalume Steel Plate, OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.8 $ft^2$ | FB1-290, FB2-390 or FB4-HA | -52.5 |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN FTR-490: | | | | | | | |
| W-34. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | One or more layers, any combination, loose laid | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | Fastener Options: Section 3.1.1 (#14 or #15 screws)<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.8 $ft^2$ | FTR-490 (FiberTite-FB or FiberTite XT FB) | -45.0 |
| W-35. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR Magnum O Fastener, OMG #14 Heavy Duty or Trufast #14 HD<br>Plate Options: Dekfast PLT-H-2-7/8, OMG 3" Galvalume Steel Plate, OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.8 $ft^2$ | FTR-490 | -52.5 |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN POLYSET COMMERCIAL ROOF ADHESIVE (SPATTER) OR FTR-601 PG (SPATTER): | | | | | | | |
| W-36. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | One or more layers, any combination, loose laid | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | Fastener Options: Section 3.1.1 (#14 or #15 screws)<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.8 $ft^2$ | FB5-CR20 or FB6-601PG | -45.0 |


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**TABLE 11D: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**
**SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Base Insulation Layer (3.1.2) | Top Insulation Layer | | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|
| | | | Type | Fastener (3.1.1, 4.2.2) | Attach | | |
| W-37. | Min. 15/32-inch APA rated CDX 4-ply plywood; 24-inch span & blocked 48-inch. o.c | One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR Magnum O Fastener, OMG #14 Heavy Duty or Trufast #14 HD<br>Plate Options: Dekfast PLT-H-2-7/8, OMG 3" Galvalume Steel Plate, OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.8 $ft^2$ | FB5-CR20 or FB6-601PG | -52.5 |

**TABLE 11E: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**
**SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER**

| System No. | Deck (4.1.2) | Thermal Barrier and/or Insulation Layer (3.1.2) | Attach | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|
| | | | Fastener (3.1.1, 4.2.2) | Density | | |
| W-38. | Code minimum plywood or OSB. Section 4.1.2 | One or more layers, any combination, min. 1.5-inch thick x min. 4 x 8 ft, preliminarily attached | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener *(Field W/D ≥ 375 lbf)*<br>Plate Options: FTR IW isoweld, SFS isoweld F1-P-6.8-PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 12-inch o.c. in rows 60-inch o.c. along wood structural members | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -37.5 (NO HVHZ) |
| W-39. | Code minimum plywood or OSB. Section 4.1.2 | One or more layers, any combination, min. 1.5-inch thick x min. 4 x 8 ft, preliminarily attached | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener *(Field W/D ≥ 375 lbf)*<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 12-inch o.c. in rows 60-inch o.c. along wood structural members | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -37.5 (NO HVHZ) |
| W-40. | Min. 19/32-inch plywood; 24-inch span | Any approved thermal barrier and/or insulation, any combination | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener *(Field W/D ≥ 540 lbf)*<br>Plate Options: FTR IW isoweld, SFS isoweld F1-P-6.8-PVC Plate, SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube, OMG RhinoBond Insulation Plate (PVC) or OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert | 24-inch o.c. in staggered rows 36-inch o.c. along wood structural members | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool. | -45.0* |
| W-41. | Min. 19/32-inch plywood; 24-inch span | Any approved thermal barrier and/or insulation, any combination | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener *(Field W/D ≥ 540 lbf)*<br>Plate Options: Trufast PVC IW Plate | 24-inch o.c. in staggered rows 36-inch o.c. along wood structural members | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool. | -45.0* |
| W-42. | Min. 19/32-inch plywood; 24-inch span | Any approved thermal barrier and/or insulation, any combination | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener *(Field W/D ≥ 525 lbf)*<br>Plate Options: FTR IW isoweld, SFS isoweld F1-P-6.8-PVC Plate, SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube, OMG RhinoBond Insulation Plate (PVC) or OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert | 12-inch o.c. in rows spaced 60-inch o.c. along wood structural members | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool. | -52.5 |
| W-43. | Min. 19/32-inch plywood; 24-inch span | Any approved thermal barrier and/or insulation, any combination | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener *(Field W/D ≥ 525 lbf)*<br>Plate Options: Trufast PVC IW Plate | 12-inch o.c. in rows spaced 60-inch o.c. along wood structural members | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool. | -52.5 |
| W-44. | Min. 19/32-inch plywood; 24-inch span | One or more layers, any combination, min. 1.5-inch thick x min. 4 x 8 ft, preliminarily attached | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener *(Field W/D ≥ 300 lbf)*<br>Plate Options: FTR IW isoweld, SFS isoweld F1-P-6.8-PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 6-inch o.c. in rows 60-inch o.c. along wood structural members | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -60.0 |


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| TABLE 11E: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER | | | | | | |
|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Thermal Barrier and/or Insulation Layer (3.1.2) | Attach | | Roof Cover (3.1.4) | MDP (psf) |
| | | | Fastener (3.1.1, 4.2.2) | Density | | |
| W-45. | Min. 19/32-inch plywood; 24-inch span | One or more layers, any combination, min. 1.5-inch thick x min. 4 x 8 ft, preliminarily attached | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener *(Field W/D ≥ 375 lbf)*<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 6-inch o.c. in rows 60-inch o.c. along wood structural members | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -60.0 |
| W-46. | Min. 19/32-inch plywood; 24-inch span | Any approved thermal barrier and/or insulation, any combination | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener *(Field W/D ≥ 540 lbf)*<br>Plate Options: FTR IW isoweld, SFS isoweld F1-P-6.8-PVC Plate, SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube, OMG RhinoBond Insulation Plate (PVC) or OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert | 24-inch o.c. in staggered rows 24-inch o.c. along wood structural members | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool. | -67.5 |
| W-47. | Min. 19/32-inch plywood; 24-inch span | Any approved thermal barrier and/or insulation, any combination | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener *(Field W/D ≥ 540 lbf)*<br>Plate Options: Trufast PVC IW Plate | 24-inch o.c. in staggered rows 24-inch o.c. along wood structural members | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool. | -67.5 |
| W-48. | Min. 19/32-inch plywood; 24-inch span | Any approved thermal barrier and/or insulation, any combination | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener *(Field W/D ≥ 450 lbf)*<br>Plate Options: FTR IW isoweld, SFS isoweld F1-P-6.8-PVC Plate, SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube, OMG RhinoBond Insulation Plate (PVC) or OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert | 6-inch o.c. in rows 60-inch o.c. along wood structural members | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool. | -90.0 |
| W-49. | Min. 19/32-inch plywood; 24-inch span | Any approved thermal barrier and/or insulation, any combination | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener *(Field W/D ≥ 450 lbf)*<br>Plate Options: Trufast PVC IW Plate | 6-inch o.c. in rows 60-inch o.c. along wood structural members | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool. | -90.0 |

| TABLE 11F: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation or Thermal Barrier (3.1.2) | | Roof Cover (3.1.4) | | | MDP (psf) |
| | | Type | Attach | Membrane | Fastener (3.1.1, 4.2.2) | Attachment | |
| W-50. | Min. 19/32-inch plywood; 24-inch span | One or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 12 x 51-inch | -30.0 (NO HVHZ) |
| W-51. | Min. 19/32-inch plywood; 24-inch span | One or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FTR Magnum2S Plate | Open: 6 x 51-inch | -37.5 (NO HVHZ) |
| W-52. | Min. 19/32-inch plywood; 24-inch span | One or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 6 x 69-inch | -45.0 |
| W-53. | Min. 19/32-inch plywood; 24-inch span | One or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 9 x 51-inch | -52.5 |
| W-54. | Min. 19/32-inch plywood; 24-inch span | One or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 6 x 51-inch | -52.5 |


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| TABLE 11F: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation or Thermal Barrier (3.1.2) | | Roof Cover (3.1.4) | | | MDP (psf) |
| | | Type | Attach | Membrane | Fastener (3.1.1, 4.2.2) | Attachment | |
| W-55. | Min. 19/32-inch plywood; 24-inch span | One or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FTR Magnum2S Plate | Closed: 12 x 72-inch through wood sheathing to engage the structural members | -60.0 |
| W-56. | Min. 19/32-inch plywood; 24-inch span | One or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Closed: 6 x 96-inch through wood sheathing to engage the structural members | -67.5 |

| TABLE 11G: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE D-1: INSULATED, BONDED VAPOR BARRIER, MECHANICALLY ATTACHED ROOF COVER | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation or Thermal Barrier (3.1.2) | | Vapor Barrier (3.1.4) | Insulation Layer(s) (3.1.2) | | Roof Cover (3.1.4) | | | MDP (psf) |
| | | Type | Attach | | Type | Attach | Membrane | Fastener (3.1.1, 4.2.2) | Attachment | |
| W-57. | Two (2) plies, min. 23/32-inch plywood; 2 ft span; 8d ring shank nails; 1st ply to structural members, 6" o.c.; 2nd ply to 1st ply 6" o.c.in rows 24" o.c. | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Prelim. attached | BP2-FTRSBSA | Min. 2.0-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch SECUROCK Gypsum Fiber Roof Board | Prelim. attached | FiberTite XT, SM or Xtreme | FiberTite Magnum Fastener or OMG #14 with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Closed: 6 x 37-inch | -105.0 |
| W-58. | Two (2) plies; 2 ft span; 1st ply, min. 15/32-inch plywood to structural members; 8d ring shank nails, 6" o.c. followed by 2nd ply, min. 23/32-inch plywood to structural members; SFS Dekfast DF-#12-PH3, 12" o.c. | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Prelim. attached | BP2-FTRSBSA | Min. 2.0-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch SECUROCK Gypsum Fiber Roof Board | Prelim. attached | FiberTite XT, SM or Xtreme | FiberTite Magnum Fastener or OMG #14 with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Closed: 6 x 37-inch | -112.5 |

| TABLE 11H: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE E-1: NON-INSULATED, MECHANICALLY ATTACHED ROOF COVER | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Thermal Barrier (3.1.2) | | Roof Cover (3.1.4) | | | MDP (psf) |
| | | Type | Attach | Membrane | Fastener (3.1.1, 4.2.2) | Attachment | |
| W-59. | Min. 19/32-inch plywood; 24-inch span | (Optional) Any approved thermal barrier | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 12 x 51-inch | -30.0 (NO HVHZ) |
| W-60. | Min. 19/32-inch plywood; 24-inch span | (Optional) Any approved thermal barrier | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FTR Magnum2S Plate | Open: 6 x 51-inch | -37.5 (NO HVHZ) |
| W-61. | Min. 19/32-inch plywood; 24-inch span | (Optional) Any approved thermal barrier | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 6 x 69-inch | -45.0 |
| W-62. | Min. 19/32-inch plywood; 24-inch span | (Optional) Any approved thermal barrier | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 9 x 51-inch | -52.5 |


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| TABLE 11H: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE E-1: NON-INSULATED, MECHANICALLY ATTACHED ROOF COVER | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Thermal Barrier (3.1.2) | | Roof Cover (3.1.4) | | | MDP (psf) |
| | | Type | Attach | Membrane | Fastener (3.1.1, 4.2.2) | Attachment | |
| W-63. | Min. 19/32-inch plywood; 24-inch span | (Optional) Any approved thermal barrier | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 6 x 51-inch | -52.5 |
| W-64. | Min. 19/32-inch plywood; 24-inch span | (Optional) Any approved thermal barrier | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FTR Magnum2S Plate | Closed: 12 x 72-inch through wood sheathing to engage the structural members. | -60.0 |
| W-65. | Min. 19/32-inch plywood; 24-inch span | (Optional) Any approved thermal barrier | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Closed: 6 x 96-inch through wood sheathing to engage the structural members. | -67.5 |

| TABLE 12A: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)<br>SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER* | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf)* |
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN ALPHA-TITE BONDING ADHESIVE: | | | | | | | |
| S-1. | Min. 22 ga., Type B, Grade 40 steel | Min. 1.0-inch FTR-Value A, FTR-Value-III-A or FTR-Value H | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | (Optional) Additional layer(s) of base insulation | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB3-ATBA or BB4-ATBA | -52.5 |
| S-2. | Min. 22 ga., Type B, Grade 40 steel | (Optional) Min. 1.0-inch FTR-Value A, FTR-Value-III-A or FTR-Value H | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | Min. 0.5-inch DEXcell FA Glass Mat Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB3-ATBA or BB4-ATBA | -52.5 |
| S-3. | Min. 22 ga., Type B, Grade 40 steel | (Optional) Min. 1.0-inch FTR-Value A, FTR-Value-III-A or FTR-Value H | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB3-ATBA or BB4-ATBA | -52.5 |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN FTR-190E: | | | | | | | |
| S-4. | Min. 22 ga., Type B, Grade 40 steel | Min. 1.0-inch FTR-Value A, FTR-Value-III-A or FTR-Value H | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | (Optional) Additional layer(s) of base insulation | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB1-190E or BB2-190E | -52.5 |
| S-5. | Min. 22 ga., Type B, Grade 40 steel | (Optional) Min. 1.0-inch FTR-Value A, FTR-Value-III-A or FTR-Value H | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | Min. 0.5-inch DEXcell FA Glass Mat Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB1-190E or BB2-190E | -52.5 |
| S-6. | Min. 22 ga., Type B, Grade 40 steel | (Optional) Min. 1.0-inch FTR-Value A, FTR-Value-III-A or FTR-Value H | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB1-190E or BB2-190E | -52.5 |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN FTR-290, FTR-390 OR HOT ASPHALT: | | | | | | | |
| S-7. | Min. 22 ga., Type B, Grade 40 steel | Min. 1.0-inch FTR-Value A | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | (Optional) Additional layer(s) of base insulation | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB1-290, FB2-390 or FB4-HA | -52.5 |


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| TABLE 12A: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER* | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf)* |
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| S-8. | Min. 22 ga., Type B, Grade 40 steel | (Optional) Min. 1.0-inch FTR-Value A, FTR-Value-III-A or FTR-Value H | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | Min. 0.5-inch DEXcell FA Glass Mat Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB1-290, FB2-390 or FB4-HA | -52.5 |
| S-9. | Min. 22 ga., Type B, Grade 40 steel | (Optional) Min. 1.0-inch FTR-Value A, FTR-Value-III-A or FTR-Value H | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB1-290 or FB4-HA | -52.5 |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN FTR-490: | | | | | | | |
| S-10. | Min. 22 ga., Type B, Grade 40 steel | (Optional) Min. 1.0-inch FTR-Value A, FTR-Value-III-A or FTR-Value H | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | Min. 0.5-inch DEXcell FA Glass Mat Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB3-490 | -52.5 |
| S-11. | Min. 22 ga., Type B, Grade 40 steel | (Optional) Min. 1.0-inch FTR-Value A, FTR-Value-III-A or FTR-Value H | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB3-490 | -52.5 |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN POLYSET COMMERCIAL ROOF ADHESIVE (SPATTER) OR FTR-601 PG (SPATTER): | | | | | | | |
| S-12. | Min. 22 ga., Type B, Grade 40 steel | Min. 1.0-inch FTR-Value A | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | (Optional) Additional layer(s) of base insulation | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB6-601PG | -52.5 |
| S-13. | Min. 22 ga., Type B, Grade 40 steel | (Optional) Min. 1.0-inch FTR-Value A, FTR-Value-III-A or FTR-Value H | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | Min. 0.5-inch DEXcell FA Glass Mat Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB5-CR20 or FB6-601PG | -52.5 |
| S-14. | Min. 22 ga., Type B, Grade 40 steel | (Optional) Min. 1.0-inch FTR-Value A, FTR-Value-III-A or FTR-Value H | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB5-CR20 or FB6-601PG | -52.5 |

| TABLE 12B: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) SYSTEM TYPE A-2: BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED ROOF COVER* | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Vapor Barrier (3.1.4) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP* (psf) |
| | | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN FTR-190E: | | | | | | | | |
| S-15. | Min. 22 ga., Type B, Grade 40 steel; 6 ft span | BlockShield SA Plus, self-adhering to top deck flanges. | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c., ribbons positioned atop deck flanges | Min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c | BB1-190E or BB2-190E | -90.0 |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN ALPHA-TITE BONDING ADHESIVE: | | | | | | | | |
| S-16. | Min. 22 ga., Type B, Grade 40 steel; 6 ft span | BlockShield SA Plus, self-adhering to top deck flanges. | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c., ribbons positioned atop deck flanges | Min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -90.0 |


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| TABLE 12B: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) SYSTEM TYPE A-2: BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED ROOF COVER* | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Vapor Barrier (3.1.4) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP* (psf) |
| | | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN FB1-290, FB2-390, FB3-490 OR FB4-HA: | | | | | | | | |
| S-17. | Min. 22 ga., Type B, Grade 40 steel; 6 ft span | BlockShield SA Plus, self-adhering to top deck flanges. | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c., ribbons positioned atop deck flanges | Min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | FB1-290, FB2-390, FB3-490 or FB4-HA | -90.0 |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN POLYSET COMMERCIAL ROOF ADHESIVE (SPATTER) OR FTR-601 PG (SPATTER): | | | | | | | | |
| S-18. | Min. 22 ga., Type B, Grade 40 steel; 6 ft span | BlockShield SA Plus, self-adhering to top deck flanges. | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c., ribbons positioned atop deck flanges | Min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | FB5-CR20 or FB6-601PG | -90.0 |

| TABLE 12C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf) |
| | | Type | Fastener (3.1.1, 4.2.2) | Attach | Type | Attach (3.1.3) | | |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN FTR-190E: | | | | | | | | |
| S-19. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | (Optional) One or more layers of Base Insulation (flat or tapered) | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB1-190E or BB2-190E | -45.0* |
| S-20. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 4.0 $ft^2$ | (Optional) One or more layers of Base Insulation (flat or tapered) | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB1-190E or BB2-190E | -45.0* |
| S-21. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | One or more layers FTR-Value, FTR-Value A or FTR-Value H | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB1-190E or BB2-190E | -45.0* |
| S-22. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.5-inch DensDeck Prime or min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB1-190E or BB2-190E | -45.0* |
| S-23. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 4.0 $ft^2$ | Min. 0.5-inch DensDeck Prime or min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB1-190E or BB2-190E | -45.0* |
| S-24. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB1-190E or BB2-190E | -45.0* |
| S-25. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 4.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB1-190E or BB2-190E | -45.0* |


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**TABLE 12C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**
**SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|---|
| | | Type | Fastener (3.1.1, 4.2.2) | Attach | Type | Attach (3.1.3) | | |
| S-26. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB1-190E or BB2-190E | -52.5 |
| S-27. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB1-190E or BB2-190E | -52.5 |
| S-28. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB1-190E or BB2-190E | -60.0 |
| S-29. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR-601 PG, FTR-601 ECO or Polyset CRA | BB1-190E or BB2-190E | -60.0 |
| S-30. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB1-190E or BB2-190E | -60.0 |
| S-31. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR-601 PG, FTR-601 ECO or Polyset CRA | BB1-190E or BB2-190E | -60.0 |
| S-32. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DensDeck Prime, DensDeck StormX Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO or Polyset CRA | BB1-190E or BB2-190E | -60.0 |
| S-33. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt (full coverage) or FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | BB1-190E or BB2-190E | -67.5 |
| S-34. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt (full coverage) or FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | BB1-190E or BB2-190E | -67.5 |
| S-35. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DensDeck Prime, DensDeck StormX Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO or Polyset CRA, 6-inch o.c. | BB1-190E or BB2-190E | -75.0 |


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| TABLE 12C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf) |
| | | Type | Fastener (3.1.1, 4.2.2) | Attach | Type | Attach (3.1.3) | | |
| S-36. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A | Section 3.1.1 (#14 or #15 screws) | 1 per 1.0 $ft^2$ | Min. 0.25-inch DensDeck Prime, DensDeck StormX Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO or Polyset CRA, 6-inch o.c. | BB1-190E or BB2-190E | -82.5 |
| S-37. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.0 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | BB1-190E or BB2-190E | -90.0 |
| S-38. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | BB1-190E or BB2-190E | -90.0 |
| S-39. | Min. 22 ga., Type B, Grade 40 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A or FTR-Value H | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, OMG #14 Roofgrip or Trufast #14 HD<br>Plate Options: Dekfast PLT-H-2-7/8, OMG 3" Galvalume Steel Plate, OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | Min. 0.25-inch DensDeck Prime | Polyset CRA | BB1-190E or BB2-190E | -105.0 |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN ALPHA-TITE BONDING ADHESIVE: | | | | | | | | |
| S-40. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | (Optional) One or more layers of Base Insulation (flat or tapered) | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB3-ATBA or BB4-ATBA | -45.0* |
| S-41. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 4.0 $ft^2$ | (Optional) One or more layers of Base Insulation (flat or tapered) | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB3-ATBA or BB4-ATBA | -45.0* |
| S-42. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | One or more layers FTR-Value, FTR-Value A or FTR-Value H | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB3-ATBA or BB4-ATBA | -45.0* |
| S-43. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB3-ATBA or BB4-ATBA | -45.0* |
| S-44. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 4.0 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB3-ATBA or BB4-ATBA | -45.0* |
| S-45. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB3-ATBA or BB4-ATBA | -45.0* |


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**TABLE 12C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**
**SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|---|
| | | Type | Fastener (3.1.1, 4.2.2) | Attach | Type | Attach (3.1.3) | | |
| S-46. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 4.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB3-ATBA or BB4-ATBA | -45.0* |
| S-47. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB3-ATBA or BB4-ATBA | -52.5 |
| S-48. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB3-ATBA or BB4-ATBA | -52.5 |
| S-49. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB3-ATBA or BB4-ATBA | -60.0 |
| S-50. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR-601 PG, FTR-601 ECO or Polyset CRA | BB3-ATBA or BB4-ATBA | -60.0 |
| S-51. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BB3-ATBA or BB4-ATBA | -60.0 |
| S-52. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR-601 PG, FTR-601 ECO or Polyset CRA | BB3-ATBA or BB4-ATBA | -60.0 |
| S-53. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DensDeck, DensDeck Prime, DensDeck StormX Prime, SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO or Polyset CRA | BB3-ATBA or BB4-ATBA | -60.0 |
| S-54. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt (full coverage) or FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -67.5 |
| S-55. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt (full coverage) or FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -67.5 |


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| TABLE 12C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf) |
| | | Type | Fastener (3.1.1, 4.2.2) | Attach | Type | Attach (3.1.3) | | |
| S-56. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DensDeck, DensDeck Prime, DensDeck StormX Prime, SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO or Polyset CRA, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -75.0 |
| S-57. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A | Section 3.1.1 (#14 or #15 screws) | 1 per 1.0 $ft^2$ | Min. 0.25-inch DensDeck, DensDeck Prime, DensDeck StormX Prime, SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO or Polyset CRA, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -82.5 |
| S-58. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.0 $ft^2$ | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -90.0 |
| S-59. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -90.0 |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN FTR-290: | | | | | | | | |
| S-60. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | (Optional) One or more layers of Base Insulation (flat or tapered) | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB1-290 | -45.0* |
| S-61. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 4.0 $ft^2$ | (Optional) One or more layers of Base Insulation (flat or tapered) | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB1-290 | -45.0* |
| S-62. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | One or more layers FTR-Value, FTR-Value A or FTR-Value H | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB1-290 | -45.0* |
| S-63. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB1-290 | -45.0* |
| S-64. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 4.0 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB1-290 | -45.0* |
| S-65. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB1-290 | -45.0* |
| S-66. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 4.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB1-290 | -45.0* |


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**TABLE 12C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**
**SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|---|
| | | Type | Fastener (3.1.1, 4.2.2) | Attach | Type | Attach (3.1.3) | | |
| S-67. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB1-290 | -52.5 |
| S-68. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB1-290 | -52.5 |
| S-69. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DensDeck Prime, DensDeck StormX Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO or Polyset CRA | FB1-290 | -60.0 |
| S-70. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt (full coverage) or FTR 601, FTR-601 PG, M-PG-EF-ECO, OB500 or Polyset CRA, 6-inch o.c. | FB1-290 | -67.5 |
| S-71. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt (full coverage) or FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | FB1-290 | -67.5 |
| S-72. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DensDeck Prime, DensDeck StormX Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO or Polyset CRA, 6-inch o.c. | FB1-290 | -75.0 |
| S-73. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A | Section 3.1.1 (#14 or #15 screws) | 1 per 1.0 $ft^2$ | Min. 0.25-inch DensDeck Prime, DensDeck StormX Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO or Polyset CRA, 6-inch o.c. | FB1-290 | -82.5 |
| S-74. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.0 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | FB1-290 | -90.0 |
| S-75. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | FB1-290 | -90.0 |


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| TABLE 12C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf) |
| | | Type | Fastener (3.1.1, 4.2.2) | Attach | Type | Attach (3.1.3) | | |
| S-76. | Min. 22 ga., Type B, Grade 40 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A or FTR-Value H | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, OMG #14 Roofgrip or Trufast #14 HD<br>Plate Options: Dekfast PLT-H-2-7/8, OMG 3" Galvalume Steel Plate, OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate" | 1 per 1.0 $ft^2$ | Min. 0.25-inch DensDeck Prime | Polyset CRA | FB1-290 | -105.0 |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN FTR-390: | | | | | | | | |
| S-77. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | (Optional) One or more layers of Base Insulation (flat or tapered) | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB2-390 | -45.0* |
| S-78. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 4.0 $ft^2$ | (Optional) One or more layers of Base Insulation (flat or tapered) | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB2-390 | -45.0* |
| S-79. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | One or more layers FTR-Value, FTR-Value A or FTR-Value H | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB2-390 | -45.0* |
| S-80. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB2-390 | -45.0* |
| S-81. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 4.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB2-390 | -45.0* |
| S-82. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB2-390 | -45.0* |
| S-83. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 4.0 $ft^2$ | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB2-390 | -45.0* |
| S-84. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB2-390 | -52.5 |
| S-85. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt (full coverage) or FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | FB2-390 | -67.5 |


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| TABLE 12C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf) |
| | | Type | Fastener (3.1.1, 4.2.2) | Attach | Type | Attach (3.1.3) | | |
| S-86. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | FB2-390 | -90.0 |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN FTR-490: | | | | | | | | |
| S-87. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB3-490 | -45.0* |
| S-88. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 4.0 $ft^2$ | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB3-490 | -45.0* |
| S-89. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB3-490 | -45.0* |
| S-90. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 4.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB3-490 | -45.0* |
| S-91. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB3-490 | -52.5 |
| S-92. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB3-490 | -52.5 |
| S-93. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB3-490 | -60.0 |
| S-94. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR-601 PG, FTR-601 ECO or Polyset CRA | FB3-490 | -60.0 |
| S-95. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB3-490 | -60.0 |
| S-96. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR-601 PG, FTR-601 ECO or Polyset CRA | FB3-490 | -60.0 |


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| TABLE 12C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf) |
| | | Type | Fastener (3.1.1, 4.2.2) | Attach | Type | Attach (3.1.3) | | |
| S-97. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt (full coverage) or FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | FB3-490 | -67.5 |
| 98. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | hot asphalt (full coverage) or FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | FB3-490 | -67.5 |
| S-99. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | FB3-490 | -90.0 |
| S-100. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.0 $ft^2$ | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | FB3-490 | -90.0 |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN HOT ASPHALT: | | | | | | | | |
| S-101. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB4-HA | -45.0* |
| S-102. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 4.0 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB4-HA | -45.0* |
| S-103. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB4-HA | -45.0* |
| S-104. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 4.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB4-HA | -45.0* |
| S-105. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB4-HA | -52.5 |
| S-106. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB4-HA | -52.5 |


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**TABLE 12C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**
**SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|---|
| | | Type | Fastener (3.1.1, 4.2.2) | Attach | Type | Attach (3.1.3) | | |
| S-107. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DensDeck Prime, DensDeck StormX Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO or Polyset CRA | FB4-HA | -60.0 |
| S-108. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt (full-coverage), FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | FB4-HA | -67.5 |
| S-109. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt (full-coverage) or FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | FB4-HA | -67.5 |
| S-110. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DensDeck Prime, DensDeck StormX Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO or Polyset CRA, 6-inch o.c. | FB4-HA | -75.0 |
| S-111. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A | Section 3.1.1 (#14 or #15 screws) | 1 per 1.0 $ft^2$ | Min. 0.25-inch DensDeck Prime, DensDeck StormX Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO or Polyset CRA, 6-inch o.c. | FB4-HA | -82.5 |
| S-112. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.0 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | FB4-HA | -90.0 |
| S-113. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | FB4-HA | -90.0 |
| S-114. | Min. 22 ga., Type B, Grade 40 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A or FTR-Value H | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, OMG #14 Roofgrip or Trufast #14 HD<br>Plate Options: Dekfast PLT-H-2-7/8, OMG 3" Galvalume Steel Plate, OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | Min. 0.25-inch DensDeck Prime | Polyset CRA | FB4-HA | -105.0 |
| **FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN POLYSET COMMERCIAL ROOF ADHESIVE (SPATTER) OR FTR-601 PG (SPATTER):** | | | | | | | | |
| S-115. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | (Optional) One or more layers of Base Insulation (flat or tapered) | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB5-CR20 or FB6-601PG | -45.0* |


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**TABLE 12C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**
**SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|---|
| | | Type | Fastener (3.1.1, 4.2.2) | Attach | Type | Attach (3.1.3) | | |
| S-116. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 4.0 $ft^2$ | (Optional) One or more layers of Base Insulation (flat or tapered) | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB5-CR20 or FB6-601PG | -45.0* |
| S-117. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | One or more layers FTR-Value A, FTR-Value H or FTR-Value H Glass Facer | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB5-CR20 or FB6-601PG | -45.0* |
| S-118. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.5-inch DensDeck Prime or min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB5-CR20 or FB6-601PG | -45.0* |
| S-119. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 4.0 $ft^2$ | Min. 0.5-inch DensDeck Prime or min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB5-CR20 or FB6-601PG | -45.0* |
| S-120. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB5-CR20 or FB6-601PG | -45.0* |
| S-121. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 4.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB5-CR20 or FB6-601PG | -45.0* |
| S-122. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB5-CR20 or FB6-601PG | -52.5 |
| S-123. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB5-CR20 or FB6-601PG | -52.5 |
| S-124. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB5-CR20 or FB6-601PG | -60.0 |
| S-125. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | FB5-CR20 or FB6-601PG | -60.0 |
| S-126. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DensDeck, DensDeck Prime, DensDeck StormX Prime, SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO or Polyset CRA | BB3-ATBA or BB4-ATBA | -60.0 |


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| TABLE 12C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf) |
| | | Type | Fastener (3.1.1, 4.2.2) | Attach | Type | Attach (3.1.3) | | |
| S-127. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt (full-coverage), FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | FB5-CR20 or FB6-601PG | -67.5 |
| S-128. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt (full-coverage) or FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | FB5-CR20 or FB6-601PG | -67.5 |
| S-129. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DensDeck Prime, DensDeck StormX Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO or Polyset CRA, 6-inch o.c. | FB5-CR20 or FB6-601PG | -75.0 |
| S-130. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A | Section 3.1.1 (#14 or #15 screws) | 1 per 1.0 $ft^2$ | Min. 0.25-inch DensDeck Prime, DensDeck StormX Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO or Polyset CRA, 6-inch o.c. | FB5-CR20 or FB6-601PG | -82.5 |
| S-131. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.0 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | FB5-CR20 or FB6-601PG | -90.0 |
| S-132. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.0 $ft^2$ | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | FB5-CR20 or FB6-601PG | -90.0 |
| S-133. | Min. 22 ga., Type B, Grade 40 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A or FTR-Value H | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, OMG #14 Roofgrip or Trufast #14 HD<br>Plate Options: Dekfast PLT-H-2-7/8, OMG 3" Galvalume Steel Plate, OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 ft2 | Min. 0.25-inch DensDeck Prime | Polyset CRA | FB5-CR20 or FB6-601PG | -105.0 |


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**TABLE 12D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**
**SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION(S), BONDED MULTI-PLY ROOF COVER**

| System No. | Deck (4.1.2) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (3.1.4) | | | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Type | Fastener (3.1.1, 4.2.2) | Attach | Type | Attach (3.1.3) | Base Ply | Ply | Cap Ply | |
| S-134. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber-Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB2-390, FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -45.0* |
| S-135. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 4.0 $ft^2$ | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber-Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB2-390, FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -45.0* |
| S-136. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 2.0 $ft^2$ | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber-Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -52.5 |
| S-137. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber-Roof Board | hot asphalt, FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -60.0 |
| S-138. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.3 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt (full-coverage), FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -67.5 |
| S-139. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value, FTR-Value A or FTR-Value H | Section 3.1.1 (#14 or #15 screws) | 1 per 1.0 $ft^2$ | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -90.0 |
| S-140. | Min. 22 ga., Type B, Grade 40 steel; 6 ft span or structural concrete | Min. 2-inch FTR-Value A or FTR-Value H | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, OMG #14 Roofgrip or Trufast #14 HD<br>Plate Options: Dekfast PLT-H-2-7/8, OMG 3" Galvalume Steel Plate, OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | Min. 0.25-inch DensDeck Prime | Polyset CRA | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -105.0 |


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| TABLE 12E: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED ROOF COVER | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Thermal Barrier | | | Primer | Vapor Barrier (3.1.4) | Insulation Layer(s) | | Roof Cover (3.1.4) | MDP (psf) |
| | | Type | Fasten (3.1.1, 4.2.2) | Attach | | | Type | Attach (3.1.3) | | |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN FTR-190E: | | | | | | | | | | |
| S-141. | Min. 22 ga., Type B, Grade 40 steel; 6 ft span | Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 2.0 $ft^2$ | None | BlockShield SA Plus or SlopeShield Plus SA, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H followed by min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | BB1-190E or BB2-190E | -37.5* |
| S-142. | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 4.0 $ft^2$ | None | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch SECUROCK Gypsum Fiber Roof Board | FTR 601 or FTR-601 PG | BB1-190E or BB2-190E | -45.0* |
| S-143. | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch SECUROCK Cement Roof Board | Section 3.1.1 | 1 per 4.0 $ft^2$ | ASTM D41 | BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch SECUROCK Gypsum Fiber Roof Board | FTR 601 or FTR-601 PG | BB1-190E or BB2-190E | -45.0* |
| S-144. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BB1-190E or BB2-190E | -52.5 |
| S-145. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BB1-190E or BB2-190E | -52.5 |
| S-146. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 2.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BB1-190E or BB2-190E | -52.5 |


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**TABLE 12E: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Thermal Barrier | | | Primer | Vapor Barrier (3.1.4) | Insulation Layer(s) | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Type | Fasten (3.1.1, 4.2.2) | Attach | | | Type | Attach (3.1.3) | | |
| S-147. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.0 $ft^2$ | (Optional) ASTM D41 | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601 or FTR-601 PG | BB1-190E or BB2-190E | -52.5 |
| S-148. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 2.0 $ft^2$ | (Optional) ASTM D41 | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601 or FTR-601 PG | BB1-190E or BB2-190E | -52.5 |
| S-149. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 1.0 $ft^2$ | None | SlopeShield Plus SA, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H followed by min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | BB1-190E or BB2-190E | -75.0 |
| S-150. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BB1-190E or BB2-190E | -75.0 |
| S-151. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BB1-190E or BB2-190E | -75.0 |
| S-152. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.3 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BB1-190E or BB2-190E | -75.0 |


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**TABLE 12E: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Thermal Barrier | | | Primer | Vapor Barrier (3.1.4) | Insulation Layer(s) | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Type | Fasten (3.1.1, 4.2.2) | Attach | | | Type | Attach (3.1.3) | | |
| S-153. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | BB1-190E or BB2-190E | -75.0 |
| S-154. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.3 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | BB1-190E or BB2-190E | -75.0 |
| S-155. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BB1-190E or BB2-190E | -82.5 |
| S-156. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BB1-190E or BB2-190E | -82.5 |
| S-157. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BB1-190E or BB2-190E | -82.5 |


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**TABLE 12E: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Thermal Barrier | | | Primer | Vapor Barrier (3.1.4) | Insulation Layer(s) | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Type | Fasten (3.1.1, 4.2.2) | Attach | | | Type | Attach (3.1.3) | | |
| S-158. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Cement Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | BB1-190E or BB2-190E | -82.5 |
| S-159. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.0 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | BB1-190E or BB2-190E | -82.5 |
| S-160. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BB1-190E or BB2-190E | -90.0 |
| S-161. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BB1-190E or BB2-190E | -90.0 |
| S-162. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | BB1-190E or BB2-190E | -90.0 |


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**TABLE 12E: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Thermal Barrier | | | Primer | Vapor Barrier (3.1.4) | Insulation Layer(s) | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Type | Fasten (3.1.1, 4.2.2) | Attach | | | Type | Attach (3.1.3) | | |
| S-163. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.0 ft² | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | BB1-190E or BB2-190E | -90.0 |
| S-164. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 0.5-inch DensDeck Prime | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, OMG 3 in. Galvalume Steel Plate (Flat) or OMG AccuTrac Flat Bottom Plate | 1 per 1.0 ft² | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BB1-190E or BB2-190E | -105.0 |
| S-165. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.0 ft² | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BB1-190E or BB2-190E | -105.0 |
| S-166. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 1.0 ft² | None | BlockShield SA Plus, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H followed by min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | BB1-190E or BB2-190E | -135.0 |
| **FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN ALPHA-TITE BONDING ADHESIVE:** | | | | | | | | | | |
| S-167. | Min. 22 ga., Type B, Grade 40 steel; 6 ft span | Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 2.0 ft² | None | BlockShield SA Plus or SlopeShield Plus SA, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H followed by min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -37.5* |
| S-168. | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 4.0 ft² | None | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch SECUROCK Gypsum Fiber Roof Board | FTR 601 or FTR-601 PG | BB3-ATBA or BB4-ATBA | -45.0* |
| S-169. | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch SECUROCK Cement Roof Board | Section 3.1.1 | 1 per 4.0 ft² | ASTM D41 | BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch SECUROCK Gypsum Fiber Roof Board | FTR 601 or FTR-601 PG | BB3-ATBA or BB4-ATBA | -45.0* |


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**TABLE 12E: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Thermal Barrier | | | Primer | Vapor Barrier (3.1.4) | Insulation Layer(s) | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Type | Fasten (3.1.1, 4.2.2) | Attach | | | Type | Attach (3.1.3) | | |
| S-170. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BB3-ATBA or BB4-ATBA | -52.5 |
| S-171. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BB3-ATBA or BB4-ATBA | -52.5 |
| S-172. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 2.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BB3-ATBA or BB4-ATBA | -52.5 |
| S-173. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.0 $ft^2$ | (Optional) ASTM D41 | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601 or FTR-601 PG | BB3-ATBA or BB4-ATBA | -52.5 |
| S-174. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 2.0 $ft^2$ | (Optional) ASTM D41 | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601 or FTR-601 PG | BB3-ATBA or BB4-ATBA | -52.5 |
| S-175. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 1.0 $ft^2$ | None | SlopeShield Plus SA, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H followed by min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -75.0 |


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**TABLE 12E: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Thermal Barrier | | | Primer | Vapor Barrier (3.1.4) | Insulation Layer(s) | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Type | Fasten (3.1.1, 4.2.2) | Attach | | | Type | Attach (3.1.3) | | |
| S-176. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -75.0 |
| S-177. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -75.0 |
| S-178. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.3 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -75.0 |
| S-179. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -75.0 |
| S-180. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.3 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -75.0 |


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**TABLE 12E: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Thermal Barrier | | | Primer | Vapor Barrier (3.1.4) | Insulation Layer(s) | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Type | Fasten (3.1.1, 4.2.2) | Attach | | | Type | Attach (3.1.3) | | |
| S-181. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -82.5 |
| S-182. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -82.5 |
| S-183. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -82.5 |
| S-184. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -82.5 |
| S-185. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.0 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -82.5 |


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**TABLE 12E: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Thermal Barrier | | | Primer | Vapor Barrier (3.1.4) | Insulation Layer(s) | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Type | Fasten (3.1.1, 4.2.2) | Attach | | | Type | Attach (3.1.3) | | |
| S-186. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -90.0 |
| S-187. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -90.0 |
| S-188. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -90.0 |
| S-189. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.0 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -90.0 |
| S-190. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 0.5-inch DensDeck Prime | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, OMG 3 in. Galvalume Steel Plate (Flat) or OMG AccuTrac Flat Bottom Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -105.0 |


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**TABLE 12E: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Thermal Barrier | | | Primer | Vapor Barrier (3.1.4) | Insulation Layer(s) | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Type | Fasten (3.1.1, 4.2.2) | Attach | | | Type | Attach (3.1.3) | | |
| S-191. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -105.0 |
| S-192. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 1.0 $ft^2$ | None | BlockShield SA Plus, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H followed by min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | BB3-ATBA or BB4-ATBA | -135.0 |
| **FIBERTITE-FB APPLICATIONS:** | | | | | | | | | | |
| S-193. | Min. 22 ga., Type B, Grade 40 steel; 6 ft span | Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 2.0 $ft^2$ | None | BlockShield SA Plus or SlopeShield Plus SA, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H followed by min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -37.5* |
| S-194. | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 4.0 $ft^2$ | None | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch SECUROCK Gypsum Fiber Roof Board | FTR 601 or FTR-601 PG | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -45.0* |
| S-195. | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch SECUROCK Cement Roof Board | Section 3.1.1 | 1 per 4.0 $ft^2$ | ASTM D41 | BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch SECUROCK Gypsum Fiber Roof Board | FTR 601 or FTR-601 PG | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -45.0* |
| S-196. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -52.5 |


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**TABLE 12E: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Thermal Barrier | | | Primer | Vapor Barrier (3.1.4) | Insulation Layer(s) | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Type | Fasten (3.1.1, 4.2.2) | Attach | | | Type | Attach (3.1.3) | | |
| S-197. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -52.5 |
| S-198. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 2.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -52.5 |
| S-199. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.0 $ft^2$ | (Optional) ASTM D41 | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601 or FTR-601 PG | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -52.5 |
| S-200. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 2.0 $ft^2$ | (Optional) ASTM D41 | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601 or FTR-601 PG | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -52.5 |
| S-201. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 1.0 $ft^2$ | None | SlopeShield Plus SA, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H followed by min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -75.0 |
| S-202. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -75.0 |


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**TABLE 12E: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Thermal Barrier | | | Primer | Vapor Barrier (3.1.4) | Insulation Layer(s) | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Type | Fasten (3.1.1, 4.2.2) | Attach | | | Type | Attach (3.1.3) | | |
| S-203. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -75.0 |
| S-204. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.3 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -75.0 |
| S-205. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -75.0 |
| S-206. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.3 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -75.0 |
| S-207. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -82.5 |


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**TABLE 12E: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Thermal Barrier | | | Primer | Vapor Barrier (3.1.4) | Insulation Layer(s) | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Type | Fasten (3.1.1, 4.2.2) | Attach | | | Type | Attach (3.1.3) | | |
| S-208. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -82.5 |
| S-209. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -82.5 |
| S-210. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -82.5 |
| S-211. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.0 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -82.5 |
| S-212. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -90.0 |


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**TABLE 12E: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Thermal Barrier | | | Primer | Vapor Barrier (3.1.4) | Insulation Layer(s) | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Type | Fasten (3.1.1, 4.2.2) | Attach | | | Type | Attach (3.1.3) | | |
| S-213. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -90.0 |
| S-214. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -90.0 |
| S-215. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.0 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -90.0 |
| S-216. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 0.5-inch DensDeck Prime | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, OMG 3 in. Galvalume Steel Plate (Flat) or OMG AccuTrac Flat Bottom Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -105.0 |
| S-217. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -105.0 |
| S-218. | Min. 22 ga., Type B, Grade 40 steel | Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 1.0 $ft^2$ | None | BlockShield SA Plus, self-adhering | One or more layer(s), Min. 2-inch FTR-Value A, FTR-Value-III-A, FTR-Value, FTR-Value H followed by min. 0.4375-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or FTR-601 ECO, 6-inch o.c. | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -135.0 |


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**TABLE 12F: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED MULTI-PLY ROOF COVER**

| System No. | Deck (4.1.2) | Thermal Barrier | | | Primer | Vapor Barrier (3.1.4) | Insulation Layer(s) | | Roof Cover (3.1.4) | | | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Type | Fasten (3.1.1, 4.2.2) | Attach | | | Type | Attach (3.1.3) | Base Ply | Ply | Cap Ply | |
| S-219. | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 4.0 ft² | None | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch SECUROCK Gypsum Fiber Roof Board | FTR 601 or FTR-601 PG | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -45.0* |
| S-220. | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch SECUROCK Cement Roof Board | Section 3.1.1 | 1 per 4.0 ft² | ASTM D41 | BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch SECUROCK Gypsum Fiber Roof Board | FTR 601 or FTR-601 PG | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -45.0* |
| S-221. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.0 ft² | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -52.5 |
| S-222. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.0 ft² | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -52.5 |
| S-223. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 2.0 ft² | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -52.5 |
| S-224. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.0 ft² | (Optional) ASTM D41 | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601 or FTR-601 PG | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -52.5 |
| S-225. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 2.0 ft² | (Optional) ASTM D41 | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt, FTR 601 or FTR-601 PG | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -52.5 |


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**TABLE 12F: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED MULTI-PLY ROOF COVER**

| System No. | Deck (4.1.2) | Thermal Barrier | | | Primer | Vapor Barrier (3.1.4) | Insulation Layer(s) | | Roof Cover (3.1.4) | | | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Type | Fasten (3.1.1, 4.2.2) | Attach | | | Type | Attach (3.1.3) | Base Ply | Ply | Cap Ply | |
| S-226. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 ft² | (Optional) ASTM D41 | BP2-FTRSBSA or BP3-CEFA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -60.0 |
| S-227. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.3 ft² | (Optional) ASTM D41 | BP2-FTRSBSA or BP3-CEFA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -60.0 |
| S-228. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 ft² | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -75.0 |
| S-229. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Miin. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 ft² | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -75.0 |
| S-230. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.3 ft² | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -75.0 |
| S-231. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 ft² | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -75.0 |


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**TABLE 12F: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED MULTI-PLY ROOF COVER**

| System No. | Deck (4.1.2) | Thermal Barrier | | | Primer | Vapor Barrier (3.1.4) | Insulation Layer(s) | | Roof Cover (3.1.4) | | | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Type | Fasten (3.1.1, 4.2.2) | Attach | | | Type | Attach (3.1.3) | Base Ply | Ply | Cap Ply | |
| S-232. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.3 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -75.0 |
| S-233. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -82.5 |
| S-234. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -82.5 |
| S-235. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -82.5 |
| S-236. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -82.5 |
| S-237. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.0 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -82.5 |


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**TABLE 12F: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED MULTI-PLY ROOF COVER**

| System No. | Deck (4.1.2) | Thermal Barrier | | | Primer | Vapor Barrier (3.1.4) | Insulation Layer(s) | | Roof Cover (3.1.4) | | | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Type | Fasten (3.1.1, 4.2.2) | Attach | | | Type | Attach (3.1.3) | Base Ply | Ply | Cap Ply | |
| S-238. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -90.0 |
| S-239. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -90.0 |
| S-240. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 7/16-inch DEXcell Cement Roof Board or Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -90.0 |
| S-241. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.0 $ft^2$ | ASTM D41 | BP1-HA or BP4-TA | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt or FTR 601 or FTR-601 PG, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -90.0 |
| S-242. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 0.5-inch DensDeck Prime | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, OMG 3 in. Galvalume Steel Plate (Flat) or OMG AccuTrac Flat Bottom Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -105.0 |
| S-243. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 0.5-inch SECUROCK Cement Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate | 1 per 1.0 $ft^2$ | FTR SA Primer or SOPREMA "ELASTOCOL Stick" | VaporTite or FTR SBS Poly SA, self-adhering | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -105.0 |


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| TABLE 12G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer (3.1.2) | Top Insulation Layer | | | Primer | Roof Cover (3.1.4) | MDP (psf) |
| | | | Type | Fastener (3.1.1, 4.2.2) | Attach | | | |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN FTR-190E: | | | | | | | | |
| S-244. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.7 $ft^2$ | None | BB1-190E or BB2-190E | -37.5*<br>(NO HVHZ) |
| S-245. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 5/8-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 4.0 $ft^2$ | None | BB1-190E or BB2-190E | -45.0* |
| S-246. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.0 $ft^2$ | None | BB1-190E or BB2-190E | -45.0* |
| S-247. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.7 $ft^2$ | None | BB1-190E or BB2-190E | -45.0* |
| S-248. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch DensDeck Prime | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, OMG 3 in. Galvalume Steel Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | None | BB1-190E or BB2-190E | -67.5 |
| S-249. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | None | BB1-190E or BB2-190E | -67.5 |
| S-250. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 5/8-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 1.6 $ft^2$ | None | BB1-190E or BB2-190E | -82.5 |
| S-251. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch DensDeck Prime | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, OMG 3 in. Galvalume Steel Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | None | BB1-190E or BB2-190E | -97.5 |


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| TABLE 12G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer (3.1.2) | Top Insulation Layer | | | Primer | Roof Cover (3.1.4) | MDP (psf) |
| | | | Type | Fastener (3.1.1, 4.2.2) | Attach | | | |
| S-252. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | None | BB1-190E or BB2-190E | -97.5 |
| S-253. | Min. 22 ga., Type B, Grade 80 steel; 5 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 1.0 $ft^2$ | (Optional) TruGround Conductive Primer | BB1-190E or BB2-190E | -202.5 |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN ALPHA-TITE BONDING ADHESIVE: | | | | | | | | |
| S-254. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.7 $ft^2$ | None | BB3-ATBA or BB4-ATBA | -37.5* (NO HVHZ) |
| S-255. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 5/8-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 4.0 $ft^2$ | None | BB3-ATBA or BB4-ATBA | -45.0* |
| S-256. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.0 $ft^2$ | None | BB3-ATBA or BB4-ATBA | -45.0* |
| S-257. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.7 $ft^2$ | None | BB3-ATBA or BB4-ATBA | -45.0* |
| S-258. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch DensDeck Prime | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, OMG 3 in. Galvalume Steel Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | None | BB3-ATBA or BB4-ATBA | -67.5 |
| S-259. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | None | BB3-ATBA or BB4-ATBA | -67.5 |


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| TABLE 12G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer (3.1.2) | Top Insulation Layer | | | Primer | Roof Cover (3.1.4) | MDP (psf) |
| | | | Type | Fastener (3.1.1, 4.2.2) | Attach | | | |
| S-260. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 5/8-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 1.6 $ft^2$ | None | BB3-ATBA or BB4-ATBA | -82.5 |
| S-261. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch DensDeck Prime | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, OMG 3 in. Galvalume Steel Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | None | BB3-ATBA or BB4-ATBA | -97.5 |
| S-262. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | None | BB3-ATBA or BB4-ATBA | -97.5 |
| S-263. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H, loose-laid | Min. 0.5-inch DEXcell FA Glass Mat Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, Dekfast DF-#14-PH3, Dekfast DF-#15-PH3, OMG XHD, Trufast #14 HD or Trufast #15 EHD<br>Plate Options: FiberTite 3-inch Steel Plate, SFS Dekfast PLT-R-3, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | None | BB3-ATBA or BB4-ATBA | -105.0 |
| S-264. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H, loose-laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, OMG XHD, Trufast #14 HD or Trufast #15 EHD<br>Plate Options: FiberTite 3-inch Steel Plate, SFS Dekfast PLT-H-2-7/8, SFS Dekfast PLT-R-3, SFS TPA50, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | None | BB3-ATBA or BB4-ATBA | -105.0 |
| S-265. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H, loose-laid | Min. 0.5-inch DensDeck Prime | Fastener Options: FiberTite #14, FiberTite Magnum, DF-#14-PH3, Dekfast DF-#15-PH3, OMG XHD, Trufast #14 HD or Trufast #15 EHD<br>Plate Options: FiberTite 3-inch Steel Plate, SFS Dekfast PLT-H-2-7/8, SFS Dekfast PLT-R-3, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | None | BB3-ATBA or BB4-ATBA | -157.5 |
| S-266. | Min. 22 ga., Type B, Grade 80 steel; 5 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 1.0 $ft^2$ | None | BB3-ATBA or BB4-ATBA | -202.5 |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN FTR-290: | | | | | | | | |
| S-267. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.7 $ft^2$ | None | FB1-290 | -37.5*<br>(NO HVHZ) |


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| TABLE 12G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer (3.1.2) | Top Insulation Layer | | | Primer | Roof Cover (3.1.4) | MDP (psf) |
| | | | Type | Fastener (3.1.1, 4.2.2) | Attach | | | |
| S-268. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.0 $ft^2$ | None | FB1-290 | -45.0* |
| S-269. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 5/8-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 4.0 $ft^2$ | None | FB1-290 | -45.0* |
| S-270. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.7 $ft^2$ | None | FB1-290 | -45.0* |
| S-271. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch DensDeck Prime | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, OMG 3 in. Galvalume Steel Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | None | FB1-290 | -67.5 |
| S-272. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | None | FB1-290 | -67.5 |
| S-273. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 5/8-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 1.6 $ft^2$ | None | FB1-290 | -82.5 |
| S-274. | Min. 22 ga., Type B, Grade 80 steel; 5 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 1.0 $ft^2$ | None | FB1-290 | -202.5 |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN FTR-390: | | | | | | | | |
| S-275. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.7 $ft^2$ | None | FB2-390 | -37.5* (NO HVHZ) |


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| TABLE 12G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer (3.1.2) | Top Insulation Layer | | | Primer | Roof Cover (3.1.4) | MDP (psf) |
| | | | Type | Fastener (3.1.1, 4.2.2) | Attach | | | |
| S-276. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.0 $ft^2$ | None | FB2-390 | -45.0* |
| S-277. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 5/8-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 4.0 $ft^2$ | None | FB2-390 | -45.0* |
| S-278. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.7 $ft^2$ | None | FB2-390 | -45.0* |
| S-279. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch DensDeck Prime | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, OMG 3 in. Galvalume Steel Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | None | FB2-390 | -67.5 |
| S-280. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | None | FB2-390 | -67.5 |
| S-281. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 5/8-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 1.6 $ft^2$ | None | FB2-390 | -82.5 |
| S-282. | Min. 22 ga., Type B, Grade 80 steel; 5 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 1.0 $ft^2$ | None | FB2-390 | -202.5 |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN HOT ASPHALT: | | | | | | | | |
| S-283. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.7 $ft^2$ | None | FB4-HA | -37.5* (NO HVHZ) |


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| TABLE 12G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer (3.1.2) | Top Insulation Layer | | | Primer | Roof Cover (3.1.4) | MDP (psf) |
| | | | Type | Fastener (3.1.1, 4.2.2) | Attach | | | |
| S-284. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.0 $ft^2$ | None | FB4-HA | -45.0* |
| S-285. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 5/8-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 4.0 $ft^2$ | None | FB4-HA | -45.0* |
| S-286. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.7 $ft^2$ | None | FB4-HA | -45.0* |
| S-287. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch DensDeck Prime | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, OMG 3 in. Galvalume Steel Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | None | FB4-HA | -67.5 |
| S-288. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | None | FB4-HA | -67.5 |
| S-289. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 5/8-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 1.6 $ft^2$ | None | FB4-HA | -82.5 |
| S-290. | Min. 22 ga., Type B, Grade 80 steel; 5 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 1.0 $ft^2$ | None | FB4-HA | -202.5 |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN POLYSET COMMERCIAL ROOF ADHESIVE (SPATTER) OR FTR-601 PG (SPATTER): | | | | | | | | |
| S-291. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.7 $ft^2$ | None | FB5-CR20, FB6-601PG | -37.5* (NO HVHZ) |


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| TABLE 12G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer (3.1.2) | Top Insulation Layer | | | Primer | Roof Cover (3.1.4) | MDP (psf) |
| | | | Type | Fastener (3.1.1, 4.2.2) | Attach | | | |
| S-292. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 1.5-inch FTR-Value A | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.0 $ft^2$ | None | FB5-CR20, FB6-601PG | -45.0* |
| S-293. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 1.5-inch FTR-Value H or FTR-Value H Glass Facer | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.0 $ft^2$ | None | FB5-CR20, FB6-601PG | -45.0* |
| S-294. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.0 $ft^2$ | None | FB5-CR20, FB6-601PG | -45.0* |
| S-295. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 5/8-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 4.0 $ft^2$ | None | FB5-CR20, FB6-601PG | -45.0* |
| S-296. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.7 $ft^2$ | None | FB5-CR20 | -45.0* |
| S-297. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch DensDeck Prime | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, OMG 3 in. Galvalume Steel Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | None | FB5-CR20, FB6-601PG | -67.5 |
| S-298. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | None | FB5-CR20, FB6-601PG | -67.5 |
| S-299. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 5/8-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 1.6 $ft^2$ | None | FB5-CR20, FB6-601PG | -82.5 |
| S-300. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch DensDeck Prime | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, OMG 3 in. Galvalume Steel Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | None | FB5-CR20, FB6-601PG | -105.0 |


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**TABLE 12G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**
**SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

| System No. | Deck (4.1.2) | Base Insulation Layer (3.1.2) | Top Insulation Layer | | | Primer | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|---|---|
| | | | Type | Fastener (3.1.1, 4.2.2) | Attach | | | |
| S-301. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | None | FB5-CR20, FB6-601PG | -105.0 |
| S-302. | Min. 22 ga., Type B, Grade 80 steel; 5 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 1.0 $ft^2$ | None | FB5-CR20, FB6-601PG | -202.5 |

**TABLE 12H: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**
**SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED MULTI-PLY ROOF COVER**

| System No. | Deck (4.1.2) | Base Insulation Layer (3.1.2) | Top Insulation Layer | | | Roof Cover (3.1.4) | | | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|
| | | | Type | Fastener (3.1.1, 4.2.2) | Attach | Base Ply | Ply | Cap Ply | |
| S-303. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.7 $ft^2$ | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -37.5* (NO HVHZ) |
| S-304. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.0 $ft^2$ | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB2-390, FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -45.0* |
| S-305. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 5/8-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 4.0 $ft^2$ | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -45.0* |
| S-306. | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 2.7 $ft^2$ | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -45.0* |


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**TABLE 12H: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**
**SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED MULTI-PLY ROOF COVER**

| System No. | Deck (4.1.2) | Base Insulation Layer (3.1.2) | Top Insulation Layer | | | Roof Cover (3.1.4) | | | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|
| | | | Type | Fastener (3.1.1, 4.2.2) | Attach | Base Ply | Ply | Cap Ply | |
| S-307. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch DensDeck Prime | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, OMG 3 in. Galvalume Steel Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -67.5 |
| S-308. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum, FTR-Magnum O, FTR-MagnumT, Trufast #12 DP or Trufast #14 HD<br>Plate Options: FiberTite 3-in Steel Plate, Dekfast PLT-H-2-7/8, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.3 $ft^2$ | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -67.5 |
| S-309. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span or structural concrete | One or more layers, any combination | Min. 5/8-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Section 3.1.1 | 1 per 1.6 $ft^2$ | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -82.5 |
| S-310. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H, loose-laid | Min. 0.5-inch DensDeck Prime | Fastener Options: FiberTite #14, FiberTite Magnum, DF-#14-PH3, Dekfast DF-#15-PH3, OMG XHD, Trufast #14 HD or Trufast #15 EHD<br>Plate Options: FiberTite 3-inch Steel Plate, SFS Dekfast PLT-H-2-7/8, SFS Dekfast PLT-R-3, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -105.0 |
| S-311. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H, loose-laid | Min. 0.5-inch DEXcell FA Glass Mat Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, Dekfast DF-#14-PH3, Dekfast DF-#15-PH3, OMG XHD, Trufast #14 HD or Trufast #15 EHD<br>Plate Options: FiberTite 3-inch Steel Plate, SFS Dekfast PLT-R-3, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -105.0 |
| S-312. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H, loose-laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Fastener Options: FiberTite #14, FiberTite Magnum, OMG XHD, Trufast #14 HD or Trufast #15 EHD<br>Plate Options: FiberTite 3-inch Steel Plate, SFS Dekfast PLT-H-2-7/8, SFS Dekfast PLT-R-3, SFS TPA50, OMG 3 in. Galvalume Steel Plate (Flat), OMG 3 in. Ribbed Galvalume Plate (Flat), OMG AccuTrac Flat Bottom Plate or Trufast 3" Metal Insulation Plate | 1 per 1.0 $ft^2$ | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -105.0 |


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| TABLE 12I: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER | | | | | | |
|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation Layer (3.1.2) | Attach | | Roof Cover (3.1.4) | MDP (psf) |
| | | | Fastener (3.1.1, 4.2.2) | Density | | |
| S-313. | Min. 22 ga., type B, Grade 33 steel | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1 per 8 $ft^2$<br>(Four parts per 4x8 ft board)<br>2 x 4 ft grid | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -30.0*<br>(NO HVHZ) |
| S-314. | Min. 22 ga., type B, Grade 33 steel | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1 per 8 $ft^2$<br>(Four parts per 4x8 ft board)<br>2 x 4 ft grid | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -30.0*<br>(NO HVHZ) |
| S-315. | Min. 22 ga., type B, Grade 33 steel | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum Fastener, FTR Magnum O Fastener, FTR MagnumT Fastener or Trufast #14 HD<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1 per 5.3 $ft^2$<br>(Six parts per 4x8 ft board) | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -30.0*<br>(NO HVHZ) |
| S-316. | Min. 22 ga., type B, Grade 33 steel | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum Fastener, FTR Magnum O Fastener, FTR MagnumT Fastener or Trufast #14 HD<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1 per 5.3 $ft^2$<br>(Six parts per 4x8 ft board) | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -30.0*<br>(NO HVHZ) |
| S-317. | Min. 22 ga., Type B, Grade 33 steel | One or more layers, any combination, min. 0.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1 per 4.0 $ft^2$<br>(Eight parts per 4x8 ft board)<br>2 x 2 ft grid, staggered 6-inches | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -37.5<br>(NO HVHZ) |
| S-318. | Min. 22 ga., Type B, Grade 33 steel | One or more layers, any combination, min. 0.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1 per 4.0 $ft^2$<br>(Eight parts per 4x8 ft board)<br>2 x 2 ft grid, staggered 6-inches | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -37.5<br>(NO HVHZ) |
| S-319. | Min. 22 ga., type B, Grade 80 steel | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1 per 8 $ft^2$<br>(Four parts per 4x8 ft board)<br>2 x 4 ft grid | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -37.5*<br>(NO HVHZ) |


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| TABLE 12I: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER | | | | | | |
|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation Layer (3.1.2) | Attach | | Roof Cover (3.1.4) | MDP (psf) |
| | | | Fastener (3.1.1, 4.2.2) | Density | | |
| S-320. | Min. 22 ga., type B, Grade 80 steel | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1 per 8 $ft^2$<br>(Four parts per 4x8 ft board)<br>2 x 4 ft grid | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -37.5*<br>(NO HVHZ) |
| S-321. | Min. 22 ga., type B, Grade 80 steel | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum Fastener, FTR Magnum O Fastener, FTR MagnumT Fastener or Trufast #14 HD<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1 per 6 $ft^2$<br>2x3-ft grid, staggered | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -37.5<br>(NO HVHZ) |
| S-322. | Min. 22 ga., type B, Grade 80 steel | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum Fastener, FTR Magnum O Fastener, FTR MagnumT Fastener or Trufast #14 HD<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1 per 6 $ft^2$<br>2x3-ft grid, staggered | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -37.5<br>(NO HVHZ) |
| S-323. | Min. 22 ga., type B, Grade 33 steel | One or more layers, any combination, min. 1.5-inch thick x min. 4 x 8 ft, preliminarily attached | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 12-inch o.c. in rows 60-inch o.c. | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -37.5<br>(NO HVHZ) |
| S-324. | Min. 22 ga., type B, Grade 33 steel | One or more layers, any combination, min. 1.5-inch thick x min. 4 x 8 ft, preliminarily attached | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 12-inch o.c. in rows 60-inch o.c. | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -37.5<br>(NO HVHZ) |
| S-325. | Min. 22 ga., type B, Grade 33 steel | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR IW isoweld, SFS isoweld F1-P-6.8-PVC Plate, SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube, OMG RhinoBond Insulation Plate (PVC) or OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert | 1 per 6 $ft^2$<br>2x3-ft grid, staggered | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with RhinoBond Portable Plate Bonding Tool | -45.0* |
| S-326. | Min. 22 ga., type B, Grade 33 steel | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: Trufast PVC IW Plate | 1 per 6 $ft^2$<br>2x3-ft grid, staggered | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with RhinoBond Portable Plate Bonding Tool | -45.0* |
| S-327. | Min. 22 ga., type B, Grade 33 steel | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1 per 5.3 $ft^2$<br>(Six parts per 4x8 ft board) | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -45.0* |


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| TABLE 12I: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER | | | | | | |
|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation Layer (3.1.2) | Attach | | Roof Cover (3.1.4) | MDP (psf) |
| | | | Fastener (3.1.1, 4.2.2) | Density | | |
| S-328. | Min. 22 ga., type B, Grade 33 steel | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1 per 5.3 $ft^2$<br>(Six parts per 4x8 ft board) | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -45.0* |
| S-329. | Min. 22 ga., type B, Grade 33 steel, 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1 per 4.0 $ft^2$<br>(Eight parts per 4x8 ft board)<br>2 x 2 ft grid | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -45.0 |
| S-330. | Min. 22 ga., type B, Grade 33 steel, 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1 per 4.0 $ft^2$<br>(Eight parts per 4x8 ft board)<br>2 x 2 ft grid | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -45.0 |
| S-331. | Min. 22 ga., type B, Grade 33 steel, 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR IW isoweld, SFS isoweld F1-P-6.8-PVC Plate, SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube, OMG RhinoBond Insulation Plate (PVC) or OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert | 1 per 4.0 $ft^2$<br>2 x 2 ft grid, staggered | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool | -45.0 |
| S-332. | Min. 22 ga., type B, Grade 33 steel, 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: Trufast PVC IW Plate | 1 per 4.0 $ft^2$<br>2 x 2 ft grid, staggered | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool | -45.0 |
| S-333. | Min. 22 ga., type B, Grade 33 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch thick x min. 4 x 8 ft | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 2 x 2 ft grid pattern with first row of fasteners spaced 1 ft from corner edges | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool | -45.0 |
| S-334. | Min. 22 ga., type B, Grade 33 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch thick x min. 4 x 8 ft | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 2 x 2 ft grid pattern with first row of fasteners spaced 1 ft from corner edges | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool | -45.0 |
| S-335. | Min. 22 ga., type B, Grade 40 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 12-inch o.c. in rows 60-inch o.c. | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool | -45.0 |


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| TABLE 12I: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER | | | | | | |
|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation Layer (3.1.2) | Attach | | Roof Cover (3.1.4) | MDP (psf) |
| | | | Fastener (3.1.1, 4.2.2) | Density | | |
| S-336. | Min. 22 ga., type B, Grade 40 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 12-inch o.c. in rows 60-inch o.c. | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool | -45.0 |
| S-337. | Min. 22 ga., type B, Grade 80 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum Fastener, FTR Magnum O Fastener, FTR MagnumT Fastener or Trufast #14 HD<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 12-inch o.c. in rows 60-inch o.c. | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -45.0 |
| S-338. | Min. 22 ga., type B, Grade 80 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum Fastener, FTR Magnum O Fastener, FTR MagnumT Fastener or Trufast #14 HD<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 12-inch o.c. in rows 60-inch o.c. | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool | -45.0 |
| S-339. | Min. 22 ga., type B, Grade 40 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1 per 6 $ft^2$<br>2x3-ft grid, staggered | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool | -52.5 |
| S-340. | Min. 22 ga., type B, Grade 40 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1 per 6 $ft^2$<br>2x3-ft grid, staggered | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool | -52.5 |
| S-341. | Min. 22 ga., type B, Grade 80 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum Fastener, FTR Magnum O Fastener, FTR MagnumT Fastener or Trufast #14 HD<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1 per 4.0 $ft^2$<br>2x2-ft grid, staggered | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -52.5 |
| S-342. | Min. 22 ga., type B, Grade 80 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum Fastener, FTR Magnum O Fastener, FTR MagnumT Fastener or Trufast #14 HD<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1 per 4.0 $ft^2$<br>2x2-ft grid, staggered | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool | -52.5 |


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| TABLE 12I: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER | | | | | | |
|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation Layer (3.1.2) | Attach | | Roof Cover (3.1.4) | MDP (psf) |
| | | | Fastener (3.1.1, 4.2.2) | Density | | |
| S-343. | Min. 22 ga., type B, Grade 33 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR IW isoweld, SFS isoweld F1-P-6.8-PVC Plate, SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube, OMG RhinoBond Insulation Plate (PVC) or OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert | 12-inch o.c. in rows 60-inch o.c. | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool | -52.5 |
| S-344. | Min. 22 ga., type B, Grade 33 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: Trufast PVC IW Plate | 12-inch o.c. in rows 60-inch o.c. | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool | -52.5 |
| S-345. | Min. 22 ga., type B, Grade 33 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR IW isoweld, SFS isoweld F1-P-6.8-PVC Plate, SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube, OMG RhinoBond Insulation Plate (PVC) or OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert | 6-inch o.c. in rows 60-inch o.c. | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool | -60.0 |
| S-346. | Min. 22 ga., type B, Grade 33 steel; 6 ft span. | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: Trufast PVC IW Plate | 6-inch o.c. in rows 60-inch o.c. | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool | -60.0 |
| S-347. | Min. 22 ga., type B, Grade 80 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR IW isoweld, SFS isoweld F1-P-6.8-PVC Plate, SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube, OMG RhinoBond Insulation Plate (PVC) or OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert | 1 per 4.0 $ft^2$<br>2x2-ft grid, staggered | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool | -67.5 |
| S-348. | Min. 22 ga., type B, Grade 80 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: Trufast PVC IW Plate | 1 per 4.0 $ft^2$<br>2x2-ft grid, staggered | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool | -67.5 |
| S-349. | Min. 22 ga., type B, Grade 33 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch thick x min. 4 x 8 ft | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1.5 x 2 ft grid pattern with first row of fasteners spaced 0.5 ft from the long edge and 1 ft from the short edge | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool | -67.5 |
| S-350. | Min. 22 ga., type B, Grade 33 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch thick x min. 4 x 8 ft | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1.5 x 2 ft grid pattern with first row of fasteners spaced 0.5 ft from the long edge and 1 ft from the short edge | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool | -67.5 |


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| TABLE 12I: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER | | | | | | |
|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation Layer (3.1.2) | Attach | | Roof Cover (3.1.4) | MDP (psf) |
| | | | Fastener (3.1.1, 4.2.2) | Density | | |
| S-351. | Min. 22 ga., type B, Grade 33 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1 per 3.2 $ft^2$<br>(Ten parts per 4x8 ft board)<br>Per FM Data Sheet 1-29 | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -75.0 |
| S-352. | Min. 22 ga., type B, Grade 33 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1 per 3.2 $ft^2$<br>(Ten parts per 4x8 ft board)<br>Per FM Data Sheet 1-29 | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool | -75.0 |
| S-353. | Min. 20 ga., type B, Grade 33 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR IW isoweld, SFS isoweld F1-P-6.8-PVC Plate, SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube, OMG RhinoBond Insulation Plate (PVC) or OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert | 6-inch o.c. in rows 60-inch o.c. | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool | -75.0 |
| S-354. | Min. 20 ga., type B, Grade 33 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: Trufast PVC IW Plate | 6-inch o.c. in rows 60-inch o.c. | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool | -75.0 |
| S-355. | Min. 22 ga., type B, Grade 33 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch thick x min. 4 x 8 ft | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1.5 x 1.5 ft grid pattern with first row of fasteners spaced 0.5 ft from the long edge and 1 ft from the short edge | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool | -82.5 |
| S-356. | Min. 22 ga., type B, Grade 33 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch thick x min. 4 x 8 ft | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1.5 x 1.5 ft grid pattern with first row of fasteners spaced 0.5 ft from the long edge and 1 ft from the short edge | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool | -82.5 |
| S-357. | Min. 22 ga., type B, Grade 40 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1 per 3 $ft^2$<br>1.5 x 2-ft grid, staggered | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool | -82.5 |
| S-358. | Min. 22 ga., type B, Grade 40 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1 per 3 $ft^2$<br>1.5 x 2-ft grid, staggered | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool | -82.5 |


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| TABLE 12I: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER | | | | | | |
|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation Layer (3.1.2) | Attach | | Roof Cover (3.1.4) | MDP (psf) |
| | | | Fastener (3.1.1, 4.2.2) | Density | | |
| S-359. | Min. 22 ga., type B, Grade 80 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum Fastener, FTR Magnum O Fastener, FTR MagnumT Fastener or Trufast #14 HD<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1 per 3 $ft^2$<br>1.5 x 2-ft grid, staggered | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool | -82.5 |
| S-360. | Min. 22 ga., type B, Grade 80 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum Fastener, FTR Magnum O Fastener, FTR MagnumT Fastener or Trufast #14 HD<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1 per 3 $ft^2$<br>1.5 x 2-ft grid, staggered | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool | -82.5 |
| S-361. | Min. 22 ga., type B, Grade 33 steel; 4 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR IW isoweld, SFS isoweld F1-P-6.8-PVC Plate, SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube, OMG RhinoBond Insulation Plate (PVC) or OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert | 6-inch o.c. in rows 60-inch o.c. | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool | -82.5 |
| S-362. | Min. 22 ga., type B, Grade 33 steel; 4 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: Trufast PVC IW Plate | 6-inch o.c. in rows 60-inch o.c. | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool | -82.5 |
| S-363. | Min. 22 ga., type B, Grade 40 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 6-inch o.c. in rows 60-inch o.c. | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool | -90.0 |
| S-364. | Min. 22 ga., type B, Grade 40 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 6-inch o.c. in rows 60-inch o.c. | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-Manufacturer's welding tool | -90.0 |
| S-365. | Min. 22 ga., type B, Grade 80 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum Fastener, FTR Magnum O Fastener, FTR MagnumT Fastener or Trufast #14 HD<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 6-inch o.c. in rows 60-inch o.c. | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool | -90.0 |
| S-366. | Min. 22 ga., type B, Grade 80 steel; 6 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #12, FiberTite #14, FiberTite Magnum Fastener, FTR Magnum O Fastener, FTR MagnumT Fastener or Trufast #14 HD<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 6-inch o.c. in rows 60-inch o.c. | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool | -90.0 |


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| TABLE 12I: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER | | | | | | |
|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation Layer (3.1.2) | Attach | | Roof Cover (3.1.4) | MDP (psf) |
| | | | Fastener (3.1.1, 4.2.2) | Density | | |
| S-367. | Min. 20 ga., type B, Grade 33 steel; 5 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: FTR IW isoweld, SFS isoweld F1-P-6.8-PVC Plate, SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube, OMG RhinoBond Insulation Plate (PVC) or OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert | 6-inch o.c. in rows 60-inch o.c. | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool | -90.0 |
| S-368. | Min. 20 ga., type B, Grade 33 steel; 5 ft span | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite Magnum Fastener, FTR Magnum O Fastener or FTR MagnumT Fastener<br>Plate Options: Trufast PVC IW Plate | 6-inch o.c. in rows 60-inch o.c. | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool | -90.0 |
| S-369. | Min. 18 ga., Type B, Grade 80 steel; 7 ft- 8 in o.c. | One or more layers, any combination, min. 4.7-inch polyisocyanurate followed by 0.5-inch gypsum cover board | Fastener Options: FiberTite Magnum Fastener or FTR MagnumT Fastener<br>Plate Options: FTR IW isoweld or SFS isoweld F1-P-6.8-PVC Plate | 1 per 1.6 $ft^2$<br>(20 parts per 4x8 ft board) | FiberTite-XT induction welded plate-manufacturer's welding tool | -120.0 |
| S-370. | Min. 18 ga., Type N, Grade 60 steel; 10 ft span | One or more layers, any combination, min. 2.0-inch polyisocyanurate followed by 0.5-inch gypsum cover board | Fastener Options: FiberTite Magnum Fastener or FTR MagnumT Fastener<br>Plate Options: FTR IW isoweld or SFS isoweld F1-P-6.8-PVC Plate | 1 per 1.45 $ft^2$<br>(22 parts per 4x8 ft board) | FiberTite-XT induction welded plate-manufacturer's welding tool | -127.5 |

| TABLE 12J: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation (3.1.2) | | Roof Cover (3.1.4) | | | MDP (psf) |
| | | Type | Attach | Membrane | Fastener (3.1.1, 4.2.2) | Attachment | |
| **OPEN STYLE, GRADE 33 STEEL:** | | | | | | | |
| S-371. | Min. 22 ga., Type B, Grade 33 steel | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 12 x 95-inch | -30.0<br>(NO HVHZ) |
| S-372. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 18 x 51-inch | -45.0 |
| S-373. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FTR Magnum2S Plate | Open: 6 x 95-inch | -45.0 |
| S-374. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 12 x 69-inch | -45.0 |


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| TABLE 12J: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation (3.1.2) | | Roof Cover (3.1.4) | | | MDP (psf) |
| | | Type | Attach | Membrane | Fastener (3.1.1, 4.2.2) | Attachment | |
| S-375. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 12 x 51-inch | -52.5 |
| S-376. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 6 x 51-inch | -60.0 |
| S-377. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 0.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 6 x 69-inch | -52.5 |
| S-378. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 6 x 69-inch | -60.0 |
| S-379. | Min. 20 ga., Type B, Grade 33 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 6 x 51-inch | -67.5 |
| S-380. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FTR-MagnumT Fastener with FTR Magnum-R275 | Open: 6 x 94-inch | -67.5 |
| **OPEN STYLE, GRADE 40 STEEL:** | | | | | | | |
| S-381. | Min. 22 ga., Type B, Grade 40 steel; 7 ft span; 5/8" puddle welds 6" o.c. | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum-Plus Stress Plate | Open: 6 x 69-inch | -45.0 |
| **OPEN STYLE, GRADE 80 STEEL:** | | | | | | | |
| S-382. | Min. 22 ga., Type B, Grade 80 steel | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FTR-MagnumT Fastener with FTR Magnum-R275 | Open: 18 x 954-inch | -30.0 (NO HVHZ) |
| S-383. | Min. 22 ga., Type B, Grade 80 steel | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FTR FiberTite Magnum-Plus Stress Plate | Open: 18 x 95-inch | -30.0 (NO HVHZ) |
| S-384. | Min. 22 ga., Type B, Grade 80 steel | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 12 x 105-inch | -37.5 (NO HVHZ) |
| S-385. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 18 x 51-inch | -45.0 |
| S-386. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 12 x 72-inch | -45.0 |


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| TABLE 12J: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation (3.1.2) | | Roof Cover (3.1.4) | | | MDP (psf) |
| | | Type | Attach | Membrane | Fastener (3.1.1, 4.2.2) | Attachment | |
| S-387. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FTR Magnum2S Plate | Open: 6 x 144-inch | -45.0 |
| S-388. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FTR-MagnumT Fastener with FTR Magnum-R275 | Open: 12 x 94-inch | -45.0 |
| S-389. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FTR FiberTite Magnum-Plus Stress Plate | Open: 12 x 95-inch | -45.0 |
| S-390. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FTR FiberTite Magnum-Plus Stress Plate | Open: 6 x 95-inch | -52.5 |
| S-391. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 12 x 51-inch | -60.0 |
| S-392. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FTR Magnum2S Plate | Open: 6 x 72-inch | -67.5 |
| S-393. | Min. 22 ga., Type BV, Grade 80 steel; 5 ft span | Min. 2-inch thick, min. 200 psi Elastizell Lightweight Insulating Concrete | N/A | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate through to engage steel deck | Open: 12 x 51-inch | -75.0 |
| S-394. | Min. 22 ga., Type B, Grade 80 steel; 5 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 6 x 51-inch | -75.0 |
| S-395. | Min. 22 ga., Type B, Grade 80 steel | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 12 x 24-inch | -82.5 |
| CLOSED STYLE, GRADE 33 STEEL: | | | | | | | |
| S-396. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FTR Magnum2S Plate | Closed: 6 x 95-inch | -45.0 |
| S-397. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. Attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate | Closed: 12 x 69-inch | -45.0 |
| S-398. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. Attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate | Closed: 6 x 69-inch | -60.0 |


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| TABLE 12J: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation (3.1.2) | | Roof Cover (3.1.4) | | | MDP (psf) |
| | | Type | Attach | Membrane | Fastener (3.1.1, 4.2.2) | Attachment | |
| S-399. | Min. 22 ga., Type B, Grade 33 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. Attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Closed: 6 x 104.5-inch | -60.0 |
| **CLOSED STYLE, GRADE 50 STEEL:** | | | | | | | |
| S-400. | Min. 18 ga., Type B, Grade 50 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite XT | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate | Closed: 6 x 48.5-inch | -157.5 |
| **CLOSED STYLE, GRADE 80 STEEL:** | | | | | | | |
| S-401. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Closed: 12 x 104.5-inch | -45.0 |
| S-402. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FTR Magnum2S Plate | Closed: 6 x 144-inch | -52.5 |
| S-403. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Closed: 6 x 104.5-inch | -75.0 |
| S-404. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Closed: 6 x 94-inch | -82.5 |
| S-405. | Min. 22 ga., Type B, Grade 80 steel; 5 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Closed: 6 x 104.5-inch | -90.0 |
| S-406. | Min. 22 ga., Type B, Grade 80 steel; 6 ft span | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Closed: 6 x 47-inch | -112.5 |


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**TABLE 13A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER***
**REFER TO TABLE VB-1 FOR VAPOR BARRIER OPTIONS**

| System No. | Deck (4.1.2) | Base Insulation Layer | | Top Insulation Layer | | Primer | Roof Cover (3.1.4) | MDP (psf)* |
|---|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | | |
| **FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE-XTREME APPLIED IN FTR-190E:** | | | | | | | | |
| C-1. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | hot asphalt | (Optional) Additional layer(s) of base insulation | hot asphalt | None | BB1-190E or BB2-190E | -410.0 |
| C-2. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | hot asphalt | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt | None | BB1-190E or BB2-190E | -290.0 |
| C-3. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | hot asphalt | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | hot asphalt | None | BB1-190E or BB2-190E | -375.0 |
| C-4. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 or FTR-601 PG | (Optional) Additional layer(s) of base insulation | FTR 601 or FTR-601 PG | None | BB1-190E or BB2-190E | -232.5 |
| C-5. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck or DensDeck Prime | FTR 601 or FTR-601 PG | None | BB1-190E or BB2-190E | -232.5 |
| C-6. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | None | BB1-190E or BB2-190E | -247.5 |
| C-7. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR 601 or FTR-601 PG | None | BB1-190E or BB2-190E | -135.0 |
| C-8. | Structural concrete | Min. 1.5-inch FTR-Value A or FTR-Value H | FTR 601 or FTR-601 PG, 6-inch o.c. | (Optional) Additional layer(s) of base insulation | FTR 601 or FTR-601 PG, 6-inch o.c. | None | BB1-190E or BB2-190E | -417.5 |
| C-9. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG, 6-inch o.c. | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | None | BB1-190E or BB2-190E | -417.5 |
| C-10. | Structural concrete | Min. 1.0-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG, 4-inch o.c. | (Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 4-inch o.c. | TruGround Conductive Primer | BB1-190E or BB2-190E | -505.0 |
| C-11. | Structural concrete | None | N/A | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 4-inch o.c. | TruGround Conductive Primer | BB1-190E or BB2-190E | -792.5 |
| C-12. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR-601 ECO | (Optional) Additional layer(s) of base insulation | FTR-601 ECO | None | BB1-190E or BB2-190E | -232.5 |
| C-13. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime | FTR-601 ECO | None | BB1-190E or BB2-190E | -232.5 |


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**TABLE 13A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER***
REFER TO TABLE VB-1 FOR VAPOR BARRIER OPTIONS

| System No. | Deck (4.1.2) | Base Insulation Layer | | Top Insulation Layer | | Primer | Roof Cover (3.1.4) | MDP (psf)* |
|---|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | | |
| C-14. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | None | BB1-190E or BB2-190E | -247.5 |
| C-15. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR-601 ECO | None | BB1-190E or BB2-190E | -135.0 |
| C-16. | Structural concrete | Min. 1.5-inch FTR-Value A or FTR-Value H | FTR-601 ECO, 6-inch o.c. | (Optional) Additional layer(s) of base insulation | FTR-601 ECO, 6-inch o.c. | None | BB1-190E or BB2-190E | -417.5 |
| C-17. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO, 6-inch o.c. | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO, 6-inch o.c. | None | BB1-190E or BB2-190E | -417.5 |
| C-18. | Structural concrete | Min. 1.0-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO, 4-inch o.c. | (Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO, 4-inch o.c. | TruGround Conductive Primer | BB1-190E or BB2-190E | -505.0 |
| C-19. | Structural concrete | None | N/A | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO, 4-inch o.c. | TruGround Conductive Primer | BB1-190E or BB2-190E | -792.5 |
| C-20. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | (Optional) Additional layer(s) of base insulation | OB500 | None | BB1-190E or BB2-190E | -150.0 |
| C-21. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | OB500 | Min. 0.25-inch DensDeck or DensDeck Prime | OB500 | None | BB1-190E or BB2-190E | -150.0 |
| C-22. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | None | BB1-190E or BB2-190E | -247.5 |
| C-23. | Structural concrete | Min. 1.0-inch FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | OB500, 4-inch o.c. | (Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | OB500, 4-inch o.c. | TruGround Conductive Primer | BB1-190E or BB2-190E | -505.0 |
| C-24. | Structural concrete | None | N/A | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | OB500, 4-inch o.c. | TruGround Conductive Primer | BB1-190E or BB2-190E | -792.5 |
| C-25. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | (Optional) Additional layer(s) of base insulation | Polyset CRA | None | BB1-190E or BB2-190E | -410.0 |
| C-26. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | Polyset CRA | Min. 0.25-inch DensDeck | Polyset CRA | None | BB1-190E or BB2-190E | -240.0 |


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**TABLE 13A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER***
REFER TO TABLE VB-1 FOR VAPOR BARRIER OPTIONS

| System No. | Deck (4.1.2) | Base Insulation Layer | | Top Insulation Layer | | Primer | Roof Cover (3.1.4) | MDP (psf)* |
|---|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | | |
| C-27. | Structural concrete | (Optional) Min. 1-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | Polyset CRA | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | None | BB1-190E or BB2-190E | -290.0 |
| C-28. | Structural concrete | (Optional) Min. 1-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | Polyset CRA | Min. 7/16-inch DEXcell Cement Roof Board | Polyset CRA | None | BB1-190E or BB2-190E | -375.0 |
| C-29. | Structural concrete | Min. 1.0-inch FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | Polyset CRA, 4-inch o.c. | (Optional) Min. 0.5-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA, 4-inch o.c. | TruGround Conductive Primer | BB1-190E or BB2-190E | -505.0 |
| C-30. | Structural concrete | None | N/A | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA, 4-inch o.c. | TruGround Conductive Primer | BB1-190E or BB2-190E | -792.5 |
| **FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN ALPHA-TITE BONDING ADHESIVE:** | | | | | | | | |
| C-31. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | hot asphalt | (Optional) Additional layer(s) of base insulation | hot asphalt | None | BB3-ATBA or BB4-ATBA | -410.0 |
| C-32. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt | None | BB3-ATBA or BB4-ATBA | -290.0 |
| C-33. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | hot asphalt | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt | None | BB3-ATBA or BB4-ATBA | -375.0 |
| C-34. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 or FTR-601 PG | (Optional) Additional layer(s) of base insulation | FTR 601 or FTR-601 PG | None | BB3-ATBA or BB4-ATBA | -232.5 |
| C-35. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck Prime | FTR 601 or FTR-601 PG | None | BB3-ATBA or BB4-ATBA | -232.5 |
| C-36. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | None | BB3-ATBA or BB4-ATBA | -247.5 |
| C-37. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601 or FTR-601 PG | None | BB3-ATBA or BB4-ATBA | -135.0 |
| C-38. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 or FTR-601 PG, 6-inch o.c. | (Optional) Additional layer(s) of base insulation | FTR 601 or FTR-601 PG, 6-inch o.c. | None | BB3-ATBA or BB4-ATBA | -417.5 |
| C-39. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG, 6-inch o.c. | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | None | BB3-ATBA or BB4-ATBA | -417.5 |


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**TABLE 13A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER***
REFER TO TABLE VB-1 FOR VAPOR BARRIER OPTIONS

| System No. | Deck (4.1.2) | Base Insulation Layer | | Top Insulation Layer | | Primer | Roof Cover (3.1.4) | MDP (psf)* |
|---|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | | |
| C-40. | Structural concrete | None | N/A | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 4-inch o.c. | None | BB3-ATBA or BB4-ATBA | -792.5 |
| C-41. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR-601 ECO | (Optional) Additional layer(s) of base insulation | FTR-601 ECO | None | BB3-ATBA or BB4-ATBA | -232.5 |
| C-42. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime | FTR-601 ECO | None | BB3-ATBA or BB4-ATBA | -232.5 |
| C-43. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | None | BB3-ATBA or BB4-ATBA | -247.5 |
| C-44. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR-601 ECO | None | BB3-ATBA or BB4-ATBA | -135.0 |
| C-45. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR-601 ECO, 6-inch o.c. | (Optional) Additional layer(s) of base insulation | FTR-601 ECO, 6-inch o.c. | None | BB3-ATBA or BB4-ATBA | -417.5 |
| C-46. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO, 6-inch o.c. | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO, 6-inch o.c. | None | BB3-ATBA or BB4-ATBA | -417.5 |
| C-47. | Structural concrete | None | N/A | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO, 4-inch o.c. | None | BB3-ATBA or BB4-ATBA | -792.5 |
| C-48. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | (Optional) Additional layer(s) of base insulation | OB500 | None | BB3-ATBA or BB4-ATBA | -150.0 |
| C-49. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | OB500 | Min. 0.25-inch DensDeck Prime | OB500 | None | BB3-ATBA or BB4-ATBA | -150.0 |
| C-50. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | None | BB3-ATBA or BB4-ATBA | -247.5 |
| C-51. | Structural concrete | None | N/A | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | OB500, 4-inch o.c. | None | BB3-ATBA or BB4-ATBA | -792.5 |
| C-52. | Structural concrete | Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | (Optional) Additional layer(s) of base insulation | Polyset CRA | None | BB3-ATBA or BB4-ATBA | -410.0 |


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| TABLE 13A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)<br>SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER*<br>REFER TO TABLE VB-1 FOR VAPOR BARRIER OPTIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer | | Top Insulation Layer | | Primer | Roof Cover (3.1.4) | MDP (psf)* |
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | | |
| C-53. | Structural concrete | (Optional) Min. 1-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | Polyset CRA | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | None | BB3-ATBA or BB4-ATBA | -290.0 |
| C-54. | Structural concrete | None | N/A | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA, 4-inch o.c. | None | BB3-ATBA or BB4-ATBA | -792.5 |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN FTR-290: | | | | | | | | |
| C-55. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | hot asphalt | (Optional) Additional layer(s) of base insulation | hot asphalt | None | FB1-290 | -410.0 |
| C-56. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | hot asphalt | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt | None | FB1-290 | -290.0 |
| C-57. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | hot asphalt | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | hot asphalt | None | FB1-290 | -375.0 |
| C-58. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 or FTR-601 PG | (Optional) Additional layer(s) of base insulation | FTR 601 or FTR-601 PG | None | FB1-290 | -232.5 |
| C-59. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck or DensDeck Prime | FTR 601 or FTR-601 PG | None | FB1-290 | -232.5 |
| C-60. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | None | FB1-290 | -247.5 |
| C-61. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR 601 or FTR-601 PG | None | FB1-290 | -135.0 |
| C-62. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG, 6-inch o.c. | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | None | FB1-290 | -417.5 |
| C-63. | Structural concrete | None | N/A | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 4-inch o.c. | None | FB1-290 | -792.5 |
| C-64. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR-601 ECO | (Optional) Additional layer(s) of base insulation | FTR-601 ECO | None | FB1-290 | -232.5 |


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**TABLE 13A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER***
REFER TO TABLE VB-1 FOR VAPOR BARRIER OPTIONS

| System No. | Deck (4.1.2) | Base Insulation Layer | | Top Insulation Layer | | Primer | Roof Cover (3.1.4) | MDP (psf)* |
|---|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | | |
| C-65. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime | FTR-601 ECO | None | FB1-290 | -232.5 |
| C-66. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | None | FB1-290 | -247.5 |
| C-67. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR-601 ECO | None | FB1-290 | -135.0 |
| C-68. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO, 6-inch o.c. | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR-601 ECO, 6-inch o.c. | None | FB1-290 | -417.5 |
| C-69. | Structural concrete | None | N/A | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO, 4-inch o.c. | None | FB1-290 | -792.5 |
| C-70. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | (Optional) Additional layer(s) of base insulation | OB500 | None | FB1-290 | -150.0 |
| C-71. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | OB500 | Min. 0.25-inch DensDeck or DensDeck Prime | OB500 | None | FB1-290 | -150.0 |
| C-72. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | None | FB1-290 | -247.5 |
| C-73. | Structural concrete | None | N/A | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | OB500, 4-inch o.c. | None | FB1-290 | -792.5 |
| C-74. | Structural concrete | Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | (Optional) Additional layer(s) of base insulation | Polyset CRA | None | FB1-290 | -410.0 |
| C-75. | Structural concrete | (Optional) Min. 1-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | Polyset CRA | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | None | FB1-290 | -290.0 |
| C-76. | Structural concrete | (Optional) Min. 1-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | Polyset CRA | Min. 7/16-inch DEXcell Cement Roof Board | Polyset CRA | None | FB1-290 | -375.0 |
| C-77. | Structural concrete | None | N/A | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA, 4-inch o.c. | None | FB1-290 | -792.5 |


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**TABLE 13A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER***
**REFER TO TABLE VB-1 FOR VAPOR BARRIER OPTIONS**

| System No. | Deck (4.1.2) | Base Insulation Layer | | Top Insulation Layer | | Primer | Roof Cover (3.1.4) | MDP (psf)* |
|---|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | | |
| **FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN FTR-390 OR FTR-490:** | | | | | | | | |
| C-78. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | hot asphalt | (Optional) Additional layer(s) of base insulation | hot asphalt | None | FB2-390 or FB3-490 | -410.0 |
| C-79. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | hot asphalt | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt | None | FB2-390 or FB3-490 | -290.0 |
| C-80. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | hot asphalt | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | hot asphalt | None | FB2-390 or FB3-490 | -375.0 |
| C-81. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 or FTR-601 PG | (Optional) Additional layer(s) of base insulation | FTR 601 or FTR-601 PG | None | FB2-390 or FB3-490 | -232.5 |
| C-82. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | None | FB2-390 or FB3-490 | -232.5 |
| C-83. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR 601 or FTR-601 PG | None | FB2-390 or FB3-490 | -135.0 |
| C-84. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG, 6-inch o.c. | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | None | FB2-390 or FB3-490 | -417.5 |
| C-85. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG, 6-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | None | FB3-490 | -417.5 |
| C-86. | Structural concrete | None | N/A | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 4-inch o.c. | None | FB2-390 or FB3-490 | -792.5 |
| C-87. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR-601 ECO | (Optional) Additional layer(s) of base insulation | FTR-601 ECO | None | FB2-390 or FB3-490 | -232.5 |
| C-88. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | None | FB2-390 or FB3-490 | -232.5 |
| C-89. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR-601 ECO | None | FB2-390 or FB3-490 | -135.0 |
| C-90. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO, 6-inch o.c. | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR-601 ECO, 6-inch o.c. | None | FB2-390 or FB3-490 | -417.5 |


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**TABLE 13A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER***
REFER TO TABLE VB-1 FOR VAPOR BARRIER OPTIONS

| System No. | Deck (4.1.2) | Base Insulation Layer | | Top Insulation Layer | | Primer | Roof Cover (3.1.4) | MDP (psf)* |
|---|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | | |
| C-91. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO, 6-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO, 6-inch o.c. | None | FB3-490 | -417.5 |
| C-92. | Structural concrete | None | N/A | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO, 4-inch o.c. | None | FB2-390 or FB3-490 | -792.5 |
| C-93. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | (Optional) Additional layer(s) of base insulation | OB500 | None | FB2-390 or FB3-490 | -150.0 |
| C-94. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | OB500 | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | None | FB2-390 or FB3-490 | -150.0 |
| C-95. | Structural concrete | None | N/A | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | OB500, 4-inch o.c. | None | FB2-390 or FB3-490 | -792.5 |
| C-96. | Structural concrete | Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | (Optional) Additional layer(s) of base insulation | Polyset CRA | None | FB2-390 or FB3-490 | -410.0 |
| C-97. | Structural concrete | (Optional) Min. 1-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | Polyset CRA | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | None | FB2-390 or FB3-490 | -290.0 |
| C-98. | Structural concrete | (Optional) Min. 1-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | Polyset CRA | Min. 7/16-inch DEXcell Cement Roof Board | Polyset CRA | None | FB2-390 or FB3-490 | -375.0 |
| C-99. | Structural concrete | None | N/A | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA, 4-inch o.c. | None | FB2-390 or FB3-490 | -792.5 |
| **FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN HOT ASPHALT:** | | | | | | | | |
| C-100. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | hot asphalt | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt | None | FB4-HA | -290.0 |
| C-101. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | hot asphalt | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | hot asphalt | None | FB4-HA | -375.0 |
| C-102. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck or DensDeck Prime | FTR 601 or FTR-601 PG | None | FB4-HA | -232.5 |
| C-103. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | None | FB4-HA | -247.5 |


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**TABLE 13A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER***
REFER TO TABLE VB-1 FOR VAPOR BARRIER OPTIONS

| System No. | Deck (4.1.2) | Base Insulation Layer | | Top Insulation Layer | | Primer | Roof Cover (3.1.4) | MDP (psf)* |
|---|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | | |
| C-104. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR 601 or FTR-601 PG | None | FB4-HA | -135.0 |
| C-105. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG, 6-inch o.c. | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | None | FB4-HA | -417.5 |
| C-106. | Structural concrete | None | N/A | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 4-inch o.c. | None | FB4-HA | -792.5 |
| C-107. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime | FTR-601 ECO | None | FB4-HA | -232.5 |
| C-108. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | None | FB4-HA | -247.5 |
| C-109. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR-601 ECO | None | FB4-HA | -135.0 |
| C-110. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO, 6-inch o.c. | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR-601 ECO, 6-inch o.c. | None | FB4-HA | -417.5 |
| C-111. | Structural concrete | None | N/A | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO, 4-inch o.c. | None | FB4-HA | -792.5 |
| C-112. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | OB500 | Min. 0.25-inch DensDeck or DensDeck Prime | OB500 | None | FB4-HA | -150.0 |
| C-113. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | None | FB4-HA | -247.5 |
| C-114. | Structural concrete | None | N/A | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | OB500, 4-inch o.c. | None | FB4-HA | -792.5 |
| C-115. | Structural concrete | (Optional) Min. 1-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | Polyset CRA | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | None | FB4-HA | -290.0 |


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**TABLE 13A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER***
REFER TO TABLE VB-1 FOR VAPOR BARRIER OPTIONS

| System No. | Deck (4.1.2) | Base Insulation Layer | | Top Insulation Layer | | Primer | Roof Cover (3.1.4) | MDP (psf)* |
|---|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | | |
| C-116. | Structural concrete | (Optional) Min. 1-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | Polyset CRA | Min. 7/16-inch DEXcell Cement Roof Board | Polyset CRA | None | FB4-HA | -375.0 |
| C-117. | Structural concrete | None | N/A | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA, 4-inch o.c. | None | FB4-HA | -792.5 |
| **FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN POLYSET COMMERCIAL ROOF ADHESIVE (SPATTER) OR FTR-601 PG (SPATTER):** | | | | | | | | |
| C-118. | Structural concrete | Min. 1.5-inch FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR 601 or FTR-601 PG | None | FB5-CR20 | -97.5 |
| C-119. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | hot asphalt | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | hot asphalt | None | FB5-CR20 or FB6-601PG | -210.0 |
| C-120. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | hot asphalt | Min. 7/16-inch DEXcell Cement Roof Board | hot asphalt | None | FB5-CR20 | -375.0 |
| C-121. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | None | FB5-CR20 or FB6-601PG | -210.0 |
| C-122. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 7/16-inch DEXcell Cement Roof Board | FTR 601 or FTR-601 PG | None | FB5-CR20 | -135.0 |
| C-123. | Structural concrete | Min. 1.5-inch FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG, 6-inch o.c. | (Optional) Additional layer(s) of base insulation | FTR 601 or FTR-601 PG, 6-inch o.c. | None | FB5-CR20 | -417.5 |
| C-124. | Structural concrete | Min. 1.5-inch FTR-Value A or FTR-Value H | FTR 601 or FTR-601 PG, 6-inch o.c. | (Optional) Additional layer(s) of base insulation | FTR 601 or FTR-601 PG, 6-inch o.c. | None | FB6-601PG | -417.5 |
| C-125. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG, 6-inch o.c. | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | None | FB5-CR20 or FB6-601PG | -417.5 |
| C-126. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG, 6-inch o.c. | Min. 7/16-inch DEXcell Cement Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | None | FB5-CR20 or FB6-601PG | -417.5 |
| C-127. | Structural concrete | None | N/A | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 4-inch o.c. | None | FB5-CR20 or FB6-601PG | -792.5 |
| C-128. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | None | FB5-CR20 or FB6-601PG | -210.0 |


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**TABLE 13A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER***
REFER TO TABLE VB-1 FOR VAPOR BARRIER OPTIONS

| System No. | Deck (4.1.2) | Base Insulation Layer | | Top Insulation Layer | | Primer | Roof Cover (3.1.4) | MDP (psf)* |
|---|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | | |
| C-129. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 7/16-inch DEXcell Cement Roof Board | FTR-601 ECO | None | FB5-CR20 | -135.0 |
| C-130. | Structural concrete | Min. 1.5-inch FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO, 6-inch o.c. | (Optional) Additional layer(s) of base insulation | FTR-601 ECO, 6-inch o.c. | None | FB5-CR20 | -417.5 |
| C-131. | Structural concrete | Min. 1.5-inch FTR-Value A or FTR-Value H | FTR-601 ECO, 6-inch o.c. | (Optional) Additional layer(s) of base insulation | FTR-601 ECO, 6-inch o.c. | None | FB6-601PG | -417.5 |
| C-132. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO, 6-inch o.c. | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO, 6-inch o.c. | None | FB5-CR20 or FB6-601PG | -417.5 |
| C-133. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO, 6-inch o.c. | Min. 7/16-inch DEXcell Cement Roof Board | FTR-601 ECO, 6-inch o.c. | None | FB5-CR20 or FB6-601PG | -417.5 |
| C-134. | Structural concrete | None | N/A | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO, 4-inch o.c. | None | FB5-CR20 or FB6-601PG | -792.5 |
| C-135. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | None | FB5-CR20 or FB6-601PG | -105.0 |
| C-136. | Structural concrete | None | N/A | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | OB500, 4-inch o.c. | None | FB5-CR20 or FB6-601PG | -792.5 |
| C-137. | Structural concrete | (Optional) Min. 1-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | Polyset CRA | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | None | FB5-CR20, FB6-601PG | -210.0 |
| C-138. | Structural concrete | (Optional) Min. 1-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | Polyset CRA | Min. 7/16-inch DEXcell Cement Roof Board | Polyset CRA | None | FB5-CR20, FB6-601PG | -375.0 |
| C-139. | Structural concrete | None | N/A | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA, 4-inch o.c. | None | FB5-CR20 or FB6-601PG | -792.5 |


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**TABLE 13B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED MULTI-PLY ROOF COVER***
REFER TO TABLE VB-1 FOR VAPOR BARRIER OPTIONS

| System No. | Deck (4.1.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | | | MDP (psf)* |
|---|---|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | Base Ply | Ply | Cap Ply | |
| **FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN FTR-390:** | | | | | | | | | |
| C-140. | Structural concrete primed with ASTM D41 | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB2-390 | -232.5 |
| C-141. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB2-390 | -232.5 |
| C-142. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BP2-FTRSBSA | None | FB2-390 | -67.5 |
| C-143. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB2-390 | -232.5 |
| C-144. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | BP2-FTRSBSA | None | FB2-390 | -67.5 |
| C-145. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB2-390 | -232.5 |
| C-146. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | OB500 | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | OB500 | BP2-FTRSBSA | None | FB2-390 | -67.5 |
| C-147. | Structural concrete | (Optional) Min. 1-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | Polyset CRA | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB2-390 | -232.5 |
| C-148. | Structural concrete | (Optional) Min. 1-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | Polyset CRA | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | BP2-FTRSBSA | None | FB2-390 | -67.5 |
| **FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN HOT ASPHALT:** | | | | | | | | | |
| C-149. | Structural concrete primed with ASTM D41 | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB4-HA | -232.5 |
| C-150. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB4-HA | -232.5 |
| C-151. | Structural concrete | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601 or FTR-601 PG | BP2-FTRSBSA or BP3-CEFA | (Optional) BP2-FTRSBSA or BP3-CEFA | FB4-HA | -105.0 |


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**TABLE 13B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED MULTI-PLY ROOF COVER***
REFER TO TABLE VB-1 FOR VAPOR BARRIER OPTIONS

| System No. | Deck (4.1.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | | | MDP (psf)* |
|---|---|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | Base Ply | Ply | Cap Ply | |
| C-152. | Structural concrete | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BP2-FTRSBSA or BP3-CEFA | (Optional) BP2-FTRSBSA or BP3-CEFA | FB4-HA | -167.5 |
| C-153. | Structural concrete | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BP2-FTRSBSA or BP3-CEFA | (Optional) BP2-FTRSBSA or BP3-CEFA | FB4-HA | -167.5 |
| C-154. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB4-HA | -232.5 |
| C-155. | Structural concrete | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR-601 ECO | BP2-FTRSBSA or BP3-CEFA | (Optional) BP2-FTRSBSA or BP3-CEFA | FB4-HA | -105.0 |
| C-156. | Structural concrete | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | BP2-FTRSBSA or BP3-CEFA | (Optional) BP2-FTRSBSA or BP3-CEFA | FB4-HA | -167.5 |
| C-157. | Structural concrete | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR-601 ECO, 6-inch o.c. | BP2-FTRSBSA or BP3-CEFA | (Optional) BP2-FTRSBSA or BP3-CEFA | FB4-HA | -167.5 |
| C-158. | Structural concrete | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | O5B00 | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB4-HA | -232.5 |
| C-159. | Structural concrete | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | OB500 | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | OB500 | BP2-FTRSBSA or BP3-CEFA | (Optional) BP2-FTRSBSA or BP3-CEFA | FB4-HA | -105.0 |
| C-160. | Structural concrete | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | BP2-FTRSBSA or BP3-CEFA | (Optional) BP2-FTRSBSA or BP3-CEFA | FB4-HA | -167.5 |
| C-161. | Structural concrete | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | OB500 | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | OB500, 6-inch o.c. | BP2-FTRSBSA or BP3-CEFA | (Optional) BP2-FTRSBSA or BP3-CEFA | FB4-HA | -167.5 |
| C-162. | Structural concrete | (Optional) Min. 1-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | Polyset CRA | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB4-HA | -232.5 |
| C-163. | Structural concrete | (Optional) Min. 1-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | Polyset CRA | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | BP2-FTRSBSA or BP3-CEFA | (Optional) BP2-FTRSBSA or BP3-CEFA | FB4-HA | -167.5 |


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**TABLE 13B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED MULTI-PLY ROOF COVER***
**REFER TO TABLE VB-1 FOR VAPOR BARRIER OPTIONS**

| System No. | Deck (4.1.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | | | MDP (psf)* |
|---|---|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | Base Ply | Ply | Cap Ply | |
| **FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN POLYSET COMMERCIAL ROOF ADHESIVE, FTR-601 PG OR COLPLY EF ADHESIVE:** | | | | | | | | | |
| C-164. | Structural concrete | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB5-CR20, FB6-601PG or FB7-CEFA | -167.5 |
| C-165. | Structural concrete | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601 or FTR-601 PG | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB5-CR20, FB6-601PG or FB7-CEFA | -105.0 |
| C-166. | Structural concrete | Min. 1.5-inch FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601 or FTR-601 PG | BP1-HA, BP2-FTRSBSA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA or BP4-TA | FB5-CR20 | -127.5 |
| C-167. | Structural concrete | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB5-CR20, FB6-601PG or FB7-CEFA | -167.5 |
| C-168. | Structural concrete | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB5-CR20, FB6-601PG or FB7-CEFA | -167.5 |
| C-169. | Structural concrete | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR-601 ECO | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB5-CR20, FB6-601PG or FB7-CEFA | -105.0 |
| C-170. | Structural concrete | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR-601 ECO, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB5-CR20, FB6-601PG or FB7-CEFA | -167.5 |
| C-171. | Structural concrete | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB5-CR20, FB6-601PG or FB7-CEFA | -167.5 |
| C-172. | Structural concrete | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | OB500 | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | OB500 | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB5-CR20, FB6-601PG or FB7-CEFA | -105.0 |
| C-173. | Structural concrete | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | OB500 | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | OB500, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB5-CR20, FB6-601PG or FB7-CEFA | -167.5 |
| C-174. | Structural concrete | (Optional) Min. 1-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | Polyset CRA | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB5-CR20, FB6-601PG or FB7-CEFA | -167.5 |
| C-175. | Structural concrete | Min. 1.5-inch FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer over FTR SBS Poly 3.7. *FTR SBS Poly 3.7 adhered with FTR SBS Adhesive, 12-inch o.c.* | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601 or FTR-601 PG | BP1-HA, BP2-FTRSBSA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA or BP4-TA | FB5-CR20 | -225.0 |


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| TABLE 13C: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER | | | | | | |
|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation Layer (3.1.2) | Attach | | Roof Cover (3.1.4) | MDP (psf) |
| | | | Fastener (3.1.1, 4.2.2) | Density | | |
| C-176. | Structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1 per 8 $ft^2$<br>(Four parts per 4x8 ft board)<br>2 x 4 ft grid | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -37.5*<br>(NO HVHZ) |
| C-177. | Structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1 per 8 $ft^2$<br>(Four parts per 4x8 ft board)<br>2 x 4 ft grid | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -37.5*<br>(NO HVHZ) |
| C-178. | Structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1 per 5.3 $ft^2$<br>(Six parts per 4x8 ft board) | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -45.0* |
| C-179. | Structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1 per 5.3 $ft^2$<br>(Six parts per 4x8 ft board) | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -45.0* |
| C-180. | Min. 3,000 psi structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: OMG #14 Heavy Duty Fastener (min. 1.5-inch embedment)<br>Plate Options: FTR IW isoweld, SFS isoweld F1-P-6.8-PVC Plate, SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube, OMG RhinoBond Insulation Plate (PVC) or OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert | 1 per 6 $ft^2$<br>2x3-ft grid, staggered | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool. | -45.0* |
| C-181. | Min. 3,000 psi structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: OMG #14 Heavy Duty Fastener (min. 1.5-inch embedment)<br>Plate Options: Trufast PVC IW Plate | 1 per 6 $ft^2$<br>2x3-ft grid, staggered | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool. | -45.0* |
| C-182. | Structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1 per 4.0 $ft^2$<br>(Eight parts per 4x8 ft board)<br>2 x 2 ft grid | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -45.0 |
| C-183. | Structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1 per 4.0 $ft^2$<br>(Eight parts per 4x8 ft board)<br>2 x 2 ft grid | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -45.0 |
| C-184. | Structural concrete | One or more layers, any combination, min. 1.5-inch thick x min. 4 x 8 ft | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 2 x 2 ft grid pattern with first row of fasteners spaced 1 ft from corner edges | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -45.0 |


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| TABLE 13C: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER | | | | | | |
|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation Layer (3.1.2) | Attach | | Roof Cover (3.1.4) | MDP (psf) |
| | | | Fastener (3.1.1, 4.2.2) | Density | | |
| C-185. | Structural concrete | One or more layers, any combination, min. 1.5-inch thick x min. 4 x 8 ft | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 2 x 2 ft grid pattern with first row of fasteners spaced 1 ft from corner edges | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -45.0 |
| C-186. | Structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 12-inch o.c. in rows 60-inch o.c. | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -45.0 |
| C-187. | Structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 12-inch o.c. in rows 60-inch o.c. | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -45.0 |
| C-188. | Structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1 per 6 $ft^2$<br>2 x 3 ft grid, staggered | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -52.5 |
| C-189. | Structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1 per 6 $ft^2$<br>2 x 3 ft grid, staggered | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -52.5 |
| C-190. | Min. 3,000 psi structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: OMG #14 Heavy Duty Fastener (min. 1.5-inch embedment)<br>Plate Options: FTR IW isoweld, SFS isoweld F1-P-6.8-PVC Plate, SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube, OMG RhinoBond Insulation Plate (PVC) or OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert | 12-inch o.c. in rows 60-inch o.c. | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool. | -52.5 |
| C-191. | Min. 3,000 psi structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: OMG #14 Heavy Duty Fastener (min. 1.5-inch embedment)<br>Plate Options: Trufast PVC IW Plate | 12-inch o.c. in rows 60-inch o.c. | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool. | -52.5 |
| C-192. | Structural concrete | One or more layers, any combination, min. 1.5-inch thick x min. 4 x 8 ft | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1.5 x 2 ft grid pattern with first row of fasteners spaced 0.5 ft from the long edge and 1 ft from the short edge | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -67.5 |
| C-193. | Structural concrete | One or more layers, any combination, min. 1.5-inch thick x min. 4 x 8 ft | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1.5 x 2 ft grid pattern with first row of fasteners spaced 0.5 ft from the long edge and 1 ft from the short edge | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -67.5 |


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| TABLE 13C: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER | | | | | | |
|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation Layer (3.1.2) | Attach | | Roof Cover (3.1.4) | MDP (psf) |
| | | | Fastener (3.1.1, 4.2.2) | Density | | |
| C-194. | Min. 3,000 psi structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: OMG #14 Heavy Duty Fastener (min. 1.5-inch embedment)<br>Plate Options: FTR IW isoweld, SFS isoweld F1-P-6.8-PVC Plate, SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube, OMG RhinoBond Insulation Plate (PVC) or OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert | 1 per 4 $ft^2$<br>2x2-ft grid, staggered | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool. | -67.5 |
| C-195. | Min. 3,000 psi structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: OMG #14 Heavy Duty Fastener (min. 1.5-inch embedment)<br>Plate Options: Trufast PVC IW Plate | 1 per 6 $ft^2$<br>2x2-ft grid, staggered | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool. | -67.5 |
| C-196. | Structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1 per 3.2 $ft^2$<br>(Ten parts per 4x8 ft board)<br>Per FM Data Sheet 1-29 | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -75.0 |
| C-197. | Structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1 per 3.2 $ft^2$<br>(Ten parts per 4x8 ft board)<br>Per FM Data Sheet 1-29 | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -75.0 |
| C-198. | Structural concrete | One or more layers, any combination, min. 1.5-inch thick x min. 4 x 8 ft | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1.5 x 1.5 ft grid pattern with first row of fasteners spaced 0.5 ft from the long edge and 1 ft from the short edge | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -82.5 |
| C-199. | Structural concrete | One or more layers, any combination, min. 1.5-inch thick x min. 4 x 8 ft | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1.5 x 1.5 ft grid pattern with first row of fasteners spaced 0.5 ft from the long edge and 1 ft from the short edge | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -82.5 |
| C-200. | Structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 1 per 3 $ft^2$<br>1.5 x 2 ft grid, staggered | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -82.5 |
| C-201. | Structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 1 per 3 $ft^2$<br>1.5 x 2 ft grid, staggered | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -82.5 |
| C-202. | Structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 6-inch o.c. in rows 60-inch o.c. | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -90.0 |


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| TABLE 13C: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER | | | | | | |
|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation Layer (3.1.2) | Attach | | Roof Cover (3.1.4) | MDP (psf) |
| | | | Fastener (3.1.1, 4.2.2) | Density | | |
| C-203. | Structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: FiberTite #14, FiberTite Magnum Fastener or Trufast #14 HD (min. 1.5-inch embedment)<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 6-inch o.c. in rows 60-inch o.c. | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -90.0 |
| C-204. | Min. 3,000 psi structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: OMG #14 Heavy Duty Fastener (min. 1.5-inch embedment)<br>Plate Options: FTR IW isoweld, SFS isoweld F1-P-6.8-PVC Plate, SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube, OMG RhinoBond Insulation Plate (PVC) or OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert | 6-inch o.c. in rows 60-inch o.c. | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool. | -90.0 |
| C-205. | Min. 3,000 psi structural concrete | One or more layers, any combination, min. 1.5-inch | Fastener Options: OMG #14 Heavy Duty Fastener (min. 1.5-inch embedment)<br>Plate Options: Trufast PVC IW Plate | 6-inch o.c. in rows 60-inch o.c. | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded plate-manufacturer's welding tool. | -90.0 |

| TABLE 13D: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation (3.1.2) | | Roof Cover (3.1.4) | | | MDP (psf) |
| | | Type | Attach | Membrane | Fastener (3.1.1, 4.2.2) | Attachment | |
| OPEN STYLE: | | | | | | | |
| C-206. | Structural concrete | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | Trufast ¼" Concrete Spike with FTR Magnum-R275 | Open: 18 x 95-inch | -30.0 (NO HVHZ) |
| C-207. | Structural concrete | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener or OMG #14 with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 18 x 104.5-inch | -37.5 (NO HVHZ) |
| C-208. | Structural concrete | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | Trufast ¼" Concrete Spike with FTR Magnum-R275 | Open: 12 x 95-inch | -45.0 |
| C-209. | Structural concrete | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener or OMG CD-10 with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 18 x 51-inch | -45.0 |
| C-210. | Structural concrete | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener or OMG CD-10 with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 12 x 72-inch | -45.0 |
| C-211. | Structural concrete | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener or OMG CD-10 with FTR Magnum2S Plate | Open: 6 x 95-inch | -45.0 |
| C-212. | Structural concrete | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener or OMG CD-10 with FTR Magnum2S Plate | Open: 6 x 144-inch | -45.0 |
| C-213. | Structural concrete | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener or OMG CD-10 with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 6 x 96-inch | -52.5 |
| C-214. | Structural concrete | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | Trufast ¼" Concrete Spike with FTR Magnum-R275 | Open: 6 x 95-inch | -67.5 |
| C-215. | Structural concrete | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener or OMG CD-10 with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 12 x 51-inch | -67.5 |


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| TABLE 13D: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER<br>SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation (3.1.2) | | Roof Cover (3.1.4) | | | MDP (psf) |
| | | Type | Attach | Membrane | Fastener (3.1.1, 4.2.2) | Attachment | |
| C-216. | Structural concrete | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener or OMG CD-10 with FTR Magnum2S Plate | Open: 6 x 72-inch | -67.5 |
| C-217. | Structural concrete | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener or OMG CD-10 with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 12 x 24-inch | -82.5 |
| C-218. | Structural concrete | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener or OMG #14 with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Open: 6 x 51-inch | -112.5 |
| CLOSED STYLE: | | | | | | | |
| C-219. | Structural concrete | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener or OMG CD-10 with FTR Magnum2S Plate | Closed: 6 x 95-inch | -45.0 |
| C-220. | Structural concrete | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener or OMG CD-10 with FTR Magnum2S Plate | Closed: 6 x 144-inch | -52.5 |
| C-221. | Structural concrete | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener or OMG CD-10 with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Closed: 6 x 94-inch | -82.5 |
| C-222. | Structural concrete | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener or OMG CD-10 with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Closed: 6 x 104.5-inch | -90.0 |
| C-223. | Structural concrete | Min. 1.5-inch thick, one or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FiberTite Magnum Fastener or OMG CD-10 with FiberTite Magnum Stress Plate or FiberTite Magnum-Plus Stress Plate | Closed: 6 x 47-inch | -112.5 |

| TABLE 13E: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)<br>SYSTEM TYPE F: NON-INSULATED, BONDED MULTI-PLY ROOF COVER* | | | | | |
|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Roof Cover (3.1.4) | | | MDP (psf)* |
| | | Base Ply | Ply | Cap Ply | |
| C-224. | Structural concrete | None | N/A | FB6-601PG | -112.5 |
| C-225. | Structural concrete primed; ASTM D41 | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -167.5 |
| C-226. | Structural concrete | None | None | FB2-390 | -237.5 |
| C-227. | Structural concrete primed; ASTM D41 | SOPREMA “Elastophene SP 2.2” or “Elastophene SP 3.0”, torch-applied | None | FB2-390 | -320.0 |
| C-228. | Structural concrete sealed; PVA | None | N/A | FB1-290 | -377.0 |
| C-229. | Structural concrete | None | N/A | FB3-490 | -442.5 |
| C-230. | Structural concrete | None | N/A | FB3-490 (FiberTite-XT FB only) | -495.0 |
| C-231. | Structural concrete | None | N/A | FB5-CR20 | -495.0 |


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| TABLE 13E: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED MULTI-PLY ROOF COVER* | | | | | |
|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Roof Cover (3.1.4) | | | MDP (psf)* |
| | | Base Ply | Ply | Cap Ply | |
| C-232. | Structural concrete primed; ASTM D41 | None | N/A | FB4-HA | -572.5 |

| TABLE 13F: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE G: PERIMETER ATTACHED ROOF COVER, PRESSURE EQUALIZING VENT | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Air Barrier | Insulation | Underlayment | Roof Cover | | MDP (psf) |
| | | | | | Type | Attach | |
| C-233. | Structural concrete | One or two plies, ASTM D4601 base sheet, applied in full mopping of hot asphalt | (Optional) Any fire classified roof insulation and/or coverboard combination, any thickness, loose-laid with staggered joints | 12-inch wide strips of polypropylene, air permeable filter fabric, loose laid in a crossing pattern, connecting the V2T vents | FiberTite, XT, SM, Xtreme, FB, XT-FB, SM-FB or Xtreme FB | V2T (FBC FL27944) installed in accordance with V2T IP, LLC instructions, spaced maximum 50 ft o.c. | -97.5 (NO HVHZ) |

| TABLE 14A: LIGHTWEIGHT CONCRETE DECKS - REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER | | | | | | | |
|---|---|---|---|---|---|---|---|
| [A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Section 4.1.2) or performance of the substrate (See Section 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction. | | | | | | | |
| System No. | Substrate (4.1.2, 4.2.2) | Base Insulation Layer | | Top Insulation | | Roof Cover (3.1.4) | MDP (psf)*[A] |
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE-XTREME APPLICATIONS: | | | | | | | |
| LWC-1. | Min. 400 psi, pre-existent cellular lightweight insulating concrete. | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BB1-190E, BB2-190E, BB3-ATBA or BB4-ATBA | -90.0 |
| LWC-2. | Min. 400 psi, pre-existent cellular lightweight insulating concrete. | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 or FTR-601 PG, 6-inch o.c. | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BB1-190E, BB2-190E, BB3-ATBA or BB4-ATBA | -120.0 |
| LWC-3. | Min. 240 psi, pre-existent cellular lightweight insulating concrete. | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H or Insulfoam IX | Polyset CRA | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | BB1-190E, BB2-190E, BB3-ATBA or BB4-ATBA | -180.0 |
| FIBERTITE-FB APPLICATIONS: | | | | | | | |
| LWC-4. | Min. 400 psi, pre-existent cellular lightweight insulating concrete. | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | FB1-290, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -90.0 |
| LWC-5. | Min. 400 psi, pre-existent cellular lightweight insulating concrete. | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 or FTR-601 PG, 6-inch o.c. | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | FB1-290, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -120.0 |
| LWC-6. | Min. 240 psi, pre-existent cellular lightweight insulating concrete. | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H or Insulfoam IX | Polyset CRA | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | FB1-290, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -180.0 |


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| TABLE 14B: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) SYSTEM TYPE A-2: BONDED VAPOR BARRIER, BONDED INSULATION(S), BONDED ROOF COVER* | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Vapor Barrier (3.1.4) | Lightweight Concrete (3.1.2) | Insulation Layer(s) | | Roof Cover (3.1.4) | MDP* (psf) |
| | | | | Type | Attach (3.1.3) | | |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE-XTREME APPLICATIONS: | | | | | | | |
| LWC-7. | Structural concrete primed with ELASTOCOL 500 | FTR SBS Poly 3.7, torch-applied | Min. 370 psi, min. 2-inch thick Celcore lightweight concrete with 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO or OB500 | BB1-190E, BB2-190E, BB3-ATBA, BB4-ATBA | -392.5 |
| LWC-8. | Structural concrete primed with ELASTOCOL 500 | FTR SBS Poly 3.7, torch-applied | Min. 370 psi, min. 2-inch thick Celcore lightweight concrete with 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound | Min. 0.5-inch SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR-601 ECO | BB1-190E, BB2-190E, BB3-ATBA, BB4-ATBA | -392.5 |
| FIBERTITE-FB APPLICATIONS: | | | | | | | |
| LWC-9. | Structural concrete primed with ELASTOCOL 500 | FTR SBS Poly 3.7, torch-applied | Min. 370 psi, min. 2-inch thick Celcore lightweight concrete with 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO or OB500 | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -392.5 |
| LWC-10. | Structural concrete primed with ELASTOCOL 500 | FTR SBS Poly 3.7, torch-applied | Min. 370 psi, min. 2-inch thick Celcore lightweight concrete with 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound | Min. 0.5-inch SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR-601 ECO | FB1-290, FB2-390, FB3-490, FB4-HA, FB5-CR20 or FB6-601PG | -392.5 |

| TABLE 14C: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER* | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Vapor Barrier (3.1.4) | Lightweight Concrete (3.1.2) | | | Roof Cover (3.1.4) | MDP (psf)* |
| | | | Deck Treatment | LWC | Surface Treatment | | |
| CELCORE: | | | | | | | |
| LWC-11. | Min. 22 ga., type BV, Grade 33 steel; 6 ft spans | None | None | Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete | Celcore PVA Curing Compound | FB1-290, FB2-390 or FB3-490 | -45.0 |
| LWC-12. | Min. 22 ga., type BV, Grade 33 steel; 5 ft spans | None | None | Min. 300 psi, min. 2-inch thick Celcore Cellular Concrete | Celcore PVA Curing Compound | FB1-290, FB2-390 or FB3-490 | -67.5 |
| LWC-13. | Structural concrete primed with ELASTOCOL 500 | FTR SBS Poly 3.7, torch-applied | None | Min. 370 psi, min. 2-inch thick Celcore lightweight concrete with 1-inch thick, 1.0 pcf EPS holey board. | Celcore PVA Curing Compound | FB1-290, FB2-390, FB3-490 or FB5-CR20 | -97.5 |
| LWC-14. | Min. 22 ga., type B, Grade 40 steel; 6 ft spans | None | Celcore S-1 Deck Preparation Slurry | Min. 390 psi, Min. 2-inch thick, Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | Celcore PVA Curing Compound | FB1-290, FB2-390, FB3-490 or FB5-CR20 | -127.5 |
| LWC-15. | Structural concrete | (Optional) BP1-HA or BP4-TA | None | Min. 390 psi, Min. 2-inch thick, Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | Celcore PVA Curing Compound | FB1-290, FB2-390, FB3-490 or FB5-CR20 | -172.5 |


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| TABLE 14C: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER* | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Vapor Barrier (3.1.4) | Lightweight Concrete (3.1.2) | | | Roof Cover (3.1.4) | MDP (psf)* |
| | | | Deck Treatment | LWC | Surface Treatment | | |
| LWC-16. | Structural concrete | None | None | Min. 300 psi, min. 2-inch thick Celcore Cellular Concrete | Celcore PVA Curing Compound | FB2-390 or FB3-490 | -272.5 |
| LWC-17. | Structural concrete | None | None | Min. 300 psi, min. 2-inch thick Celcore Cellular Concrete | Celcore PVA Curing Compound | FB1-290 | -302.5 |
| LWC-18. | Structural concrete primed with ELASTOCOL 500 | FTR SBS Poly 3.7, torch-applied | None | Min. 370 psi, min. 2-inch thick Celcore lightweight concrete with 1-inch thick, 1.0 pcf EPS holey board. | Celcore PVA Curing Compound | FB8-601ECO | -382.5 |
| **CONCRECEL:** | | | | | | | |
| LWC-19. | Structural concrete | None | None | Min. 300 psi, min. 2.25-inch thick Concrecel Cellular LWIC | Concrecel Curing Compound | FB1-290 or FB3-490 | -405.0 |
| **ELASTIZELL:** | | | | | | | |
| LWC-20. | Min. 22 ga., type B, Grade 50 steel; 6 ft spans | None | None | Min. 190 psi, Min. 2-inch thick, Range II Elastizell Lightweight Concrete with Zell-Crete Fibers | None | FB1-290, FB2-390, FB3-490 or FB5-CR20 | -45.0 |
| LWC-21. | Min. 22 ga., type BV, Grade 33 steel; 5 ft spans | None | None | Min. 300 psi, min. 2-inch thick Elastizell Lightweight Concrete | polyvinyl alcohol (PVA) | FB1-290, FB2-390 or FB3-490 | -67.5 |
| LWC-22. | Min. 22 ga., type B, Grade 40 steel; 6 ft spans | None | None | Min. 390 psi, Min. 2-inch thick, Range II Elastizell Lightweight Concrete | polyvinyl alcohol (PVA) | FB3-490 | -82.5 |
| LWC-23. | Min. 22 ga., type BV, Grade 33 steel; 6 ft spans | None | None | Min. 200 psi, min. 2-inch thick, Range II Elastizell Lightweight Concrete with Zell-Crete Fibers in the top coat. Min. 2-inch thick, min. 1.0 pcf EPS holey board is optional. | None | FB5-CR20 | -105.0 |
| LWC-24. | Min. 22 ga., type BV, Grade 33 steel; 5 ft spans | None | None | Min. 250 psi, min. 3-inch thick, Range II Elastizell Lightweight Concrete with or without optional Zell-Crete Fibers in the top coat. Min. 2-inch thick, min. 1.0 pcf EPS holey board. | None | FB5-CR20 | -112.5 |
| LWC-25. | Structural concrete | None | None | Min. 200 psi, min. 2-inch thick, Range II Elastizell Lightweight Concrete. Min. 1-inch thick, min. 1.0 pcf EPS holey board is optional. | None | FB5-CR20 | -240.0 |
| LWC-26. | Structural concrete | None | None | Min. 340 psi, min. 2-inch thick Elastizell Lightweight Insulating Concrete with 2-inch thick EPS holey board | None | FB5-CR20 | -252.5 |
| LWC-27. | Structural concrete | None | None | Min. 300 psi, min. 2-inch thick Elastizell Lightweight Concrete | polyvinyl alcohol (PVA) | FB2-390 | -272.5 |
| LWC-28. | Structural concrete | None | None | Min. 300 psi, min. 2-inch thick Elastizell Lightweight Concrete | polyvinyl alcohol (PVA) | FB1-290 or FB3-490 | -302.5 |
| LWC-29. | Structural concrete | None | None | Min. 450 psi, min. 2-inch thick, Range II Elastizell Lightweight Concrete. No EPS holey board. | None | FB5-CR20 | -502.5 |


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| TABLE 14C: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER* | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Vapor Barrier (3.1.4) | Lightweight Concrete (3.1.2) | | | Roof Cover (3.1.4) | MDP (psf)* |
| | | | Deck Treatment | LWC | Surface Treatment | | |
| MEARLCRETE: | | | | | | | |
| LWC-30. | Min. 22 ga., type BV, Grade 33 steel; 5 ft spans | None | None | Min. 300 psi, min. 2-inch thick Mearlcrete | polyvinyl alcohol (PVA) | FB1-290, FB2-390 or FB3-490 | -67.5 |
| LWC-31. | Min. 22 ga., type B, Grade 40 steel; 6 ft spans | None | None | Min. 390 psi, Min. 2-inch thick, Mearlcrete | polyvinyl alcohol (PVA) | FB1-290, FB2-390, FB3-490 or FB5-CR20 | -90.0 |
| LWC-32. | Structural concrete | None | None | Min. 300 psi, min. 2-inch thick Mearlcrete | polyvinyl alcohol (PVA) | FB2-390 or FB3-490 | -272.5 |
| LWC-33. | Structural concrete | None | None | Min. 300 psi, min. 2-inch thick Mearlcrete | polyvinyl alcohol (PVA) | FB1-290 | -302.5 |

| TABLE 15A: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER* | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf)* |
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE-XTREME APPLICATIONS: | | | | | | | |
| CWF-1. | Min. 2-inch Tectum I Plank; 4 ft span; FTR PurlinT Fastener with Trufast 2" Metal Seam Plate, 12" o.c. | Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | (Optional) Additional layer(s) of base insulation | Polyset CRA | BB1-190E or BB2-190E | -75.0 |
| CWF-2. | Min. 2-inch Tectum I Plank; 4 ft span; FTR PurlinT Fastener with Trufast 2" Metal Seam Plate, 12" o.c. | (Optional) Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | Optional additional layer(s) of base insulation followed by min. 0.25-inch DensDeck Prime | Polyset CRA | BB1-190E or BB2-190E | -75.0 |
| CWF-3. | Min. 2-inch Tectum I Plank; 4 ft span; FTR PurlinT Fastener with Trufast 2" Metal Seam Plate, 12" o.c. | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, Polyset CRA or OB500 | BB1-190E or BB2-190E | -82.5 |
| CWF-4. | Min. 2-inch Tectum I Plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601, FTR-601 PG or Polyset CRA, 4-inch o.c. | (Optional) Additional layer(s) of base insulation | FTR 601, FTR-601 PG or Polyset CRA, 4-inch o.c. | BB1-190E or BB2-190E | -222.5 |


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| TABLE 15A: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER* | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf)* |
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| CWF-5. | Min. 2-inch Tectum I Plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601, FTR-601 PG or Polyset CRA, 4-inch o.c. | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or Polyset CRA, 4-inch o.c. | BB1-190E or BB2-190E | -222.5 |
| CWF-6. | Min. 2-inch Tectum I Plank | Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or Polyset CRA, 4-inch o.c. | None | N/A | BB1-190E or BB2-190E | -303.5 |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN ALPHA-TITE BONDING ADHESIVE: | | | | | | | |
| CWF-7. | Min. 2-inch Tectum I Plank; 4 ft span; FTR PurlinT Fastener with Trufast 2" Metal Seam Plate, 12" o.c. | Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | (Optional) Additional layer(s) of base insulation | Polyset CRA | BB3-ATBA or BB4-ATBA | -75.0 |
| CWF-8. | Min. 2-inch Tectum I Plank; 4 ft span; FTR PurlinT Fastener with Trufast 2" Metal Seam Plate, 12" o.c. | (Optional) Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | Optional additional layer(s) of base insulation followed by min. 0.25-inch DensDeck Prime | Polyset CRA | BB3-ATBA or BB4-ATBA | -75.0 |
| CWF-9. | Min. 2-inch Tectum I Plank; 4 ft span; FTR PurlinT Fastener with Trufast 2" Metal Seam Plate, 12" o.c. | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, Polyset CRA or OB500 | BB3-ATBA or BB4-ATBA | -82.5 |
| CWF-10. | Min. 2-inch Tectum I Plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601, FTR-601 PG or Polyset CRA, 4-inch o.c. | (Optional) Additional layer(s) of base insulation | FTR 601, FTR-601 PG or Polyset CRA, 4-inch o.c. | BB3-ATBA or BB4-ATBA | -222.5 |
| CWF-11. | Min. 2-inch Tectum I Plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601, FTR-601 PG or Polyset CRA, 4-inch o.c. | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or Polyset CRA, 4-inch o.c. | BB3-ATBA or BB4-ATBA | -222.5 |
| CWF-12. | Min. 2-inch Tectum I Plank | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or Polyset CRA, 4-inch o.c. | None | N/A | BB3-ATBA or BB4-ATBA | -303.5 |
| FIBERTITE-FB APPLICATIONS: | | | | | | | |
| CWF-13. | Min. 2-inch Tectum I Plank; 4 ft span; FTR PurlinT Fastener with Trufast 2" Metal Seam Plate, 12" o.c. | Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | (Optional) Additional layer(s) of base insulation | Polyset CRA | FB1-290, FB2-390, FB3-490, FB5-CR20 or FB6-601PG | -75.0 |


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| TABLE 15A: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER* | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf)* |
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| CWF-14. | Min. 2-inch Tectum I Plank; 4 ft span; FTR PurlinT Fastener with Trufast 2" Metal Seam Plate, 12" o.c. | (Optional) Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | Optional additional layer(s) of base insulation followed by min. 0.25-inch DensDeck Prime | Polyset CRA | FB1-290, FB2-390, FB3-490, FB5-CR20 or FB6-601PG | -75.0 |
| CWF-15. | Min. 2-inch Tectum I Plank; 4 ft span; FTR PurlinT Fastener with Trufast 2" Metal Seam Plate, 12" o.c. | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, Polyset CRA or OB500 | FB1-290, FB2-390, FB3-490, FB5-CR20 or FB6-601PG | -82.5 |
| CWF-16. | Min. 2-inch Tectum I Plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601, FTR-601 PG or Polyset CRA, 4-inch o.c. | (Optional) Additional layer(s) of base insulation | FTR 601, FTR-601 PG or Polyset CRA, 4-inch o.c. | FB1-290, FB2-390, FB3-490, FB5-CR20 or FB6-601PG | -222.5 |
| CWF-17. | Min. 2-inch Tectum I Plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601, FTR-601 PG or Polyset CRA, 4-inch o.c. | Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR 601, FTR-601 PG or Polyset CRA, 4-inch o.c. | FB1-290, FB2-390, FB3-490, FB5-CR20 or FB6-601PG | -222.5 |
| CWF-18. | Min. 2-inch Tectum I Plank | Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR 601, FTR-601 PG or Polyset CRA, 4-inch o.c. | None | N/A | FB1-290, FB2-390, FB3-490, FB5-CR20 or FB6-601PG | -303.5 |

| TABLE 15B: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED MULTI-PLY ROOF COVER | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | | | MDP (psf) |
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | Base Ply | Ply | Cap Ply | |
| CWF-19. | Min. 2-inch Tectum I Plank; 4 ft span; FTR PurlinT Fastener with Trufast 2" Metal Seam Plate, 12" o.c. | (Optional) Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | Min. 0.25-inch DensDeck Prime | Polyset CRA | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -75.0 |


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**TABLE 15B: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED MULTI-PLY ROOF COVER**

| System No. | Deck (4.1.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | | | MDP (psf) |
|---|---|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | Base Ply | Ply | Cap Ply | |
| CWF-20. | Min. 2-inch Tectum I Plank; 4 ft span; FTR PurlinT Fastener with Trufast 2" Metal Seam Plate, 12" o.c. | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601, FTR-601 PG, FTR-601 ECO, OB500 or Polyset CRA | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG, FTR-601 ECO, Polyset CRA or OB500 | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -82.5 |
| CWF-21. | Min. 2-inch Tectum I Plank | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601, FTR-601 PG or Polyset CRA, 4-inch o.c. | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601, FTR-601 PG or Polyset CRA, 4-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB4-HA, FB5-CR20, FB6-601PG or FB7-CEFA | -167.5 |

**TABLE 15C: CEMENTITIOUS WOOD FIBER DECKS - REROOF (TEAR-OFF) OR RECOVER**
**SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER**

| System No. | Deck (4.1.2) | Insulation (3.1.2) | | Roof Cover (3.1.4) | | | MDP (psf) |
|---|---|---|---|---|---|---|---|
| | | Type | Attach | Membrane | Fastener (3.1.1, 4.2.2) | Attachment | |
| CWF-22. | Min. 2-inch Tectum I Plank; 4 ft span; FTR PurlinT Fastener with Trufast 2" Metal Seam Plate, 12" o.c. | One or more layers, any combination, min. 1.5-inch thick, min. 16-psi compressive strength | Top layer prelim. attached | FiberTite, XT, SM or Xtreme | OMG Polymer GypTec with Polymer GypTec Plate 2" with barbs or Trufast TL Fastener with Trufast 2" TL Seam Plate (min. 1.5-inch embedment) | Open or Closed: 6 x 45 | -30.0 (NO HVHZ) |

**TABLE 16A: GYPSUM DECK - REROOF (TEAR-OFF)**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER***

| System No. | Substrate (4.1.2, 4.2.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf)* |
|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| **FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE-XTREME APPLIED IN FTR-190E:** | | | | | | | |
| G-1. | Existing poured gypsum or gypsum plank | Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 | None | N/A | BB1-190E or BB2-190E | -162.5 |
| G-2. | Existing poured gypsum or gypsum plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 | (Optional) Additional layer(s) of base insulation or Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 | BB1-190E or BB2-190E | -200.0 |
| G-3. | Existing poured gypsum or gypsum plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | (Optional) Additional layer(s) of base insulation or Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | OB500 | BB1-190E or BB2-190E | -112.5 |


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| TABLE 16A: GYPSUM DECK - REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER* | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Substrate (4.1.2, 4.2.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf)* |
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| G-4. | Existing poured gypsum or gypsum plank | Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | (Optional) Additional layer(s) of base insulation | Polyset CRA | BB1-190E or BB2-190E | -357.0 |
| G-5. | Existing poured gypsum or gypsum plank | (Optional) Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | BB1-190E or BB2-190E | -290.0 |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN ALPHA-TITE BONDING ADHESIVE: | | | | | | | |
| G-6. | Existing poured gypsum or gypsum plank | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 | None | N/A | BB3-ATBA or BB4-ATBA | -162.5 |
| G-7. | Existing poured gypsum or gypsum plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 | (Optional) Additional layer(s) of base insulation or Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 | BB3-ATBA or BB4-ATBA | -200.0 |
| G-8. | Existing poured gypsum or gypsum plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | (Optional) Additional layer(s) of base insulation or Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | OB500 | BB3-ATBA or BB4-ATBA | -112.5 |
| G-9. | Existing poured gypsum or gypsum plank | Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | (Optional) Additional layer(s) of base insulation | Polyset CRA | BB3-ATBA or BB4-ATBA | -357.0 |
| G-10. | Existing poured gypsum or gypsum plank | (Optional) Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | BB3-ATBA or BB4-ATBA | -290.0 |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN FTR-290: | | | | | | | |
| G-11. | Existing poured gypsum or gypsum plank | Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 | None | N/A | FB1-290 | -162.5 |
| G-12. | Existing poured gypsum or gypsum plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 | (Optional) Additional layer(s) of base insulation or Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 | FB1-290 | -200.0 |
| G-13. | Existing poured gypsum or gypsum plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | (Optional) Additional layer(s) of base insulation or Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | OB500 | FB1-290 | -112.5 |
| G-14. | Existing poured gypsum or gypsum plank | Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | (Optional) Additional layer(s) of base insulation | Polyset CRA | FB1-290 | -357.0 |


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| TABLE 16A: GYPSUM DECK - REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER* | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Substrate (4.1.2, 4.2.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf)* |
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| G-15. | Existing poured gypsum or gypsum plank | (Optional) Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | FB1-290 | -290.0 |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN FTR-390 OR FTR-490: | | | | | | | |
| G-16. | Existing poured gypsum or gypsum plank | Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 | None | N/A | FB2-390 or FB3-490 | -162.5 |
| G-17. | Existing poured gypsum or gypsum plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 | (Optional) Additional layer(s) of base insulation or Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 | FB2-390 or FB3-490 | -200.0 |
| G-18. | Existing poured gypsum or gypsum plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | (Optional) Additional layer(s) of base insulation or Min. 0.25-inch DensDeck, DensDeck Prime DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | OB500 | FB2-390 or FB3-490 | -112.5 |
| G-19. | Existing poured gypsum or gypsum plank | Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | (Optional) Additional layer(s) of base insulation | Polyset CRA | FB2-390 or FB3-490 | -357.0 |
| G-20. | Existing poured gypsum or gypsum plank | (Optional) Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | FB2-390 or FB3-490 | -290.0 |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN HOT ASPHALT: | | | | | | | |
| G-21. | Existing poured gypsum or gypsum plank | Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 | None | N/A | FB4-HA | -162.5 |
| G-22. | Existing poured gypsum or gypsum plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 | Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 | FB4-HA | -200.0 |
| G-23. | Existing poured gypsum or gypsum plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | OB500 | FB4-HA | -112.5 |
| G-24. | Existing poured gypsum or gypsum plank | (Optional) Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | FB4-HA | -290.0 |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN POLYSET COMMERCIAL ROOF ADHESIVE (SPATTER) OR FTR-601 PG (SPATTER): | | | | | | | |
| G-25. | Existing poured gypsum or gypsum plank | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 | None | N/A | FB5-CR20, FB6-601PG | -162.5 |
| G-26. | Existing poured gypsum or gypsum plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 | FB5-CR20, FB6-601PG | -200.0 |


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| TABLE 16A: GYPSUM DECK - REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER* | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Substrate (4.1.2, 4.2.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf)* |
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| G-27. | Existing poured gypsum or gypsum plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | OB500 | FB5-CR20, FB6-601PG | -112.5 |
| G-28. | Existing poured gypsum or gypsum plank | (Optional) Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | FB5-CR20, FB6-601PG | -210.0 |

| TABLE 16B: GYPSUM DECK - REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED MULTI-PLY ROOF COVER* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| System No. | Substrate (4.1.2, 4.2.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | | | MDP (psf)* |
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | Base Ply | Ply | Cap Ply | |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN FTR-390: | | | | | | | | | |
| G-29. | Existing poured gypsum or gypsum plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 | BP2-FTRSBSA | None | FB2-390 | -67.5 |
| G-30. | Existing poured gypsum or gypsum plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB2-390 | -202.5 |
| G-31. | Existing poured gypsum or gypsum plank | (Optional) Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | BP2-FTRSBSA | None | FB2-390 | -67.5 |
| G-32. | Existing poured gypsum or gypsum plank | (Optional) Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB2-390 | -202.5 |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN HOT ASPHALT: | | | | | | | | | |
| G-33. | Existing poured gypsum or gypsum plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601 | BP2-FTRSBSA or BP3-CEFA | (Optional) BP2-FTRSBSA or BP3-CEFA | FB4-HA | -67.5 |
| G-34. | Existing poured gypsum or gypsum plank | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 | BP2-FTRSBSA or BP3-CEFA | (Optional) BP2-FTRSBSA or BP3-CEFA | FB4-HA | -167.5 |
| G-35. | Existing poured gypsum or gypsum plank | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601, 6-inch o.c. | BP2-FTRSBSA or BP3-CEFA | (Optional) BP2-FTRSBSA or BP3-CEFA | FB4-HA | -167.5 |
| G-36. | Existing poured gypsum or gypsum plank | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB4-HA | -202.5 |


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**TABLE 16B: GYPSUM DECK - REROOF (TEAR-OFF)**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED MULTI-PLY ROOF COVER***

| System No. | Substrate (4.1.2, 4.2.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | | | MDP (psf)* |
|---|---|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | Base Ply | Ply | Cap Ply | |
| G-37. | Existing poured gypsum or gypsum plank | (Optional) Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB4-HA | -232.5 |
| G-38. | Existing poured gypsum or gypsum plank | (Optional) Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | BP2-FTRSBSA or BP3-CEFA | (Optional) BP2-FTRSBSA or BP3-CEFA | FB4-HA | -167.5 |
| **FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN POLYSET COMMERCIAL ROOF ADHESIVE, FTR-601 PG OR COLPLY EF ADHESIVE:** | | | | | | | | | |
| G-39. | Existing poured gypsum or gypsum plank | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB5-CR20, FB6-601PG or FB7-CEFA | -167.5 |
| G-40. | Existing poured gypsum or gypsum plank | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB5-CR20, FB6-601PG or FB7-CEFA | -167.5 |
| G-41. | Existing poured gypsum or gypsum plank | (Optional) Min. 1-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB5-CR20, FB6-601PG or FB7-CEFA | -167.5 |

**TABLE 16C: GYPSUM DECK - REROOF (TEAR-OFF)**
**SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER**

| System No. | Deck (4.1.2) | Insulation (3.1.2) | | Roof Cover (3.1.4) | | | MDP (psf) |
|---|---|---|---|---|---|---|---|
| | | Type | Attach | Membrane | Fastener (3.1.1, 4.2.2) | Attachment | |
| G-42. | Existing gypsum deck | One or more layers, any combination, min. 1.5-inch thick, min. 16-psi compressive strength | Top layer prelim. attached | FiberTite, XT, SM or Xtreme | OMG Polymer GypTec with Polymer GypTec Plate 2" with barbs or Trufast TL Fastener with Trufast 2" TL Seam Plate (Field withdrawal ≥ 113 lbf) | Open or Closed: 6 x 45 | -30.0 (NO HVHZ) |

**TABLE 17A: RECOVER APPLICATIONS**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER***

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Section 4.1.2) or performance of the substrate (See Section 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

| System No. | Substrate (4.1.2, 4.2.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf)*[A] |
|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| **FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE-XTREME APPLIED IN FTR-190E:** | | | | | | | |
| R-1. | Existing asphaltic BUR | Min. 0.5-inch FTR-Value A or FTR-Value H | hot asphalt | None | N/A | BB1-190E or BB2-190E | -45.0 |
| R-2. | Existing asphaltic BUR | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | hot asphalt | (Optional) Additional layer(s) of base insulation or min. 0.25-inch DensDeck | hot asphalt | BB1-190E or BB2-190E | -240.0 |


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**TABLE 17A: RECOVER APPLICATIONS**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER***

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Section 4.1.2) or performance of the substrate (See Section 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

| System No. | Substrate (4.1.2, 4.2.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf)*[A] |
|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| R-3. | Existing asphaltic BUR | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | hot asphalt | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | hot asphalt | BB1-190E or BB2-190E | -247.5 |
| R-4. | Existing asphaltic BUR | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | hot asphalt | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | hot asphalt | BB1-190E or BB2-190E | -375.0 |
| R-5. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 or FTR-601 PG | (Optional) Additional layer(s) of base insulation | FTR 601 or FTR-601 PG | BB1-190E or BB2-190E | -210.0 |
| R-6. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | None | N/A | BB1-190E or BB2-190E | -210.0 |
| R-7. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck or DensDeck Prime | FTR 601 or FTR-601 PG | BB1-190E or BB2-190E | -232.5 |
| R-8. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BB1-190E or BB2-190E | -247.5 |
| R-9. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR 601 or FTR-601 PG | BB1-190E or BB2-190E | -135.0 |
| R-10. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR-601 ECO | (Optional) Additional layer(s) of base insulation | FTR-601 ECO | BB1-190E or BB2-190E | -210.0 |
| R-11. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | None | N/A | BB1-190E or BB2-190E | -210.0 |
| R-12. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime | FTR-601 ECO | BB1-190E or BB2-190E | -232.5 |
| R-13. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | BB1-190E or BB2-190E | -247.5 |
| R-14. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR-601 ECO | BB1-190E or BB2-190E | -135.0 |
| R-15. | Existing asphaltic BUR | Min. 0.25-inch DensDeck or DensDeck Prime | OB500 | None | N/A | BB1-190E or BB2-190E | -120.0 |
| R-16. | Existing asphaltic BUR | Min. 0.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | (Optional) Additional layer(s) of base insulation or min. 0.25-inch DensDeck | OB500 | BB1-190E or BB2-190E | -120.0 |


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| TABLE 17A: RECOVER APPLICATIONS<br>SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER* | | | | | | | |
|---|---|---|---|---|---|---|---|
| [A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Section 4.1.2) or performance of the substrate (See Section 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction. | | | | | | | |
| System No. | Substrate (4.1.2, 4.2.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf)*[A] |
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| R-17. | Existing asphaltic BUR | Min. 0.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | BB1-190E or BB2-190E | -120.0 |
| R-18. | Existing asphaltic BUR | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | (Optional) Additional layer(s) of base insulation or min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | BB1-190E or BB2-190E | -195.0 |
| FIBERTITE, FIBERTITE-XT, FIBERTITE-SM OR FIBERTITE XTREME APPLIED IN ALPHA-TITE BONDING ADHESIVE: | | | | | | | |
| R-19. | Existing asphaltic BUR | Min. 0.5-inch FTR-Value A or FTR-Value H | hot asphalt | None | N/A | BB3-ATBA or BB4-ATBA | -45.0 |
| R-20. | Existing asphaltic BUR | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | hot asphalt | (Optional) Additional layer(s) of base insulation | hot asphalt | BB3-ATBA or BB4-ATBA | -240.0 |
| R-21. | Existing asphaltic BUR | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | hot asphalt | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | hot asphalt | BB3-ATBA or BB4-ATBA | -247.5 |
| R-22. | Existing asphaltic BUR | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | hot asphalt | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | hot asphalt | BB3-ATBA or BB4-ATBA | -375.0 |
| R-23. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 or FTR-601 PG | (Optional) Additional layer(s) of base insulation | FTR 601 or FTR-601 PG | BB3-ATBA or BB4-ATBA | -210.0 |
| R-24. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | None | N/A | BB3-ATBA or BB4-ATBA | -210.0 |
| R-25. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck Prime | FTR 601 or FTR-601 PG | BB3-ATBA or BB4-ATBA | -232.5 |
| R-26. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BB3-ATBA or BB4-ATBA | -247.5 |
| R-27. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601 or FTR-601 PG | BB3-ATBA or BB4-ATBA | -135.0 |
| R-28. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR-601 ECO | (Optional) Additional layer(s) of base insulation | FTR-601 ECO | BB3-ATBA or BB4-ATBA | -210.0 |
| R-29. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | None | N/A | BB3-ATBA or BB4-ATBA | -210.0 |


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**TABLE 17A: RECOVER APPLICATIONS**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER***

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Section 4.1.2) or performance of the substrate (See Section 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

| System No. | Substrate (4.1.2, 4.2.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf)*[A] |
|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| R-30. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime | FTR-601 ECO | BB3-ATBA or BB4-ATBA | -232.5 |
| R-31. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | BB3-ATBA or BB4-ATBA | -247.5 |
| R-32. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR-601 ECO | BB3-ATBA or BB4-ATBA | -135.0 |
| R-33. | Existing asphaltic BUR | Min. 0.25-inch DensDeck Prime | OB500 | None | N/A | BB3-ATBA or BB4-ATBA | -120.0 |
| R-34. | Existing asphaltic BUR | Min. 0.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | (Optional) Additional layer(s) of base insulation | OB500 | BB3-ATBA or BB4-ATBA | -120.0 |
| R-35. | Existing asphaltic BUR | Min. 0.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | BB3-ATBA or BB4-ATBA | -120.0 |
| R-36. | Existing asphaltic BUR | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | (Optional) Additional layer(s) of base insulation or min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | BB3-ATBA or BB4-ATBA | -195.0 |
| **FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN FTR-290:** | | | | | | | |
| R-37. | Existing asphaltic BUR | Min. 0.5-inch FTR-Value A or FTR-Value H | hot asphalt | None | N/A | FB1-290 | -45.0 |
| R-38. | Existing asphaltic BUR | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | hot asphalt | (Optional) Additional layer(s) of base insulation or min. 0.25-inch DensDeck | hot asphalt | FB1-290 | -240.0 |
| R-39. | Existing asphaltic BUR | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | hot asphalt | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | hot asphalt | FB1-290 | -247.5 |
| R-40. | Existing asphaltic BUR | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | hot asphalt | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | hot asphalt | FB1-290 | -375.0 |
| R-41. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 or FTR-601 PG | (Optional) Additional layer(s) of base insulation | FTR 601 or FTR-601 PG | FB1-290 | -210.0 |
| R-42. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | None | N/A | BB3-ATBA or BB4-ATBA | -210.0 |
| R-43. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck or DensDeck Prime | FTR 601 or FTR-601 PG | FB1-290 | -232.5 |


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**TABLE 17A: RECOVER APPLICATIONS**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER***

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Section 4.1.2) or performance of the substrate (See Section 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

| System No. | Substrate (4.1.2, 4.2.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf)*[A] |
|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| R-44. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | FB1-290 | -247.5 |
| R-45. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR 601 or FTR-601 PG | FB1-290 | -135.0 |
| R-46. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR-601 ECO | (Optional) Additional layer(s) of base insulation | FTR-601 ECO | FB1-290 | -210.0 |
| R-47. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | None | N/A | BB3-ATBA or BB4-ATBA | -210.0 |
| R-48. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime | FTR-601 ECO | FB1-290 | -232.5 |
| R-49. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | FB1-290 | -247.5 |
| R-50. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR-601 ECO | FB1-290 | -135.0 |
| R-51. | Existing asphaltic BUR | Min. 0.5-inch FTR-Value A or FTR-Value H | OB500 | None | N/A | FB1-290 | -82.5 |
| R-52. | Existing asphaltic BUR | Min. 0.25-inch DensDeck or DensDeck Prime | OB500 | None | N/A | FB1-290 | -120.0 |
| R-53. | Existing asphaltic BUR | Min. 0.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | (Optional) Additional layer(s) of base insulation or min. 0.25-inch DensDeck | OB500 | FB1-290 | -120.0 |
| R-54. | Existing asphaltic BUR | Min. 0.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | FB1-290 | -120.0 |
| R-55. | Existing asphaltic BUR | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | (Optional) Additional layer(s) of base insulation or min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | FB1-290 | -195.0 |
| **FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN FTR-390 OR FTR-490:** | | | | | | | |
| R-56. | Existing asphaltic BUR | Min. 0.5-inch FTR-Value A or FTR-Value H | hot asphalt | None | N/A | FB2-390 or FB3-490 | -45.0 |


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**TABLE 17A: RECOVER APPLICATIONS**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER***

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Section 4.1.2) or performance of the substrate (See Section 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

| System No. | Substrate (4.1.2, 4.2.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf)*[A] |
|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| R-57. | Existing asphaltic BUR | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | hot asphalt | (Optional) Additional layer(s) of base insulation or min. 0.25-inch DensDeck | hot asphalt | FB2-390 or FB3-490 | -240.0 |
| R-58. | Existing asphaltic BUR | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | hot asphalt | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | hot asphalt | FB2-390 or FB3-490 | -375.0 |
| R-59. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR 601 or FTR-601 PG | (Optional) Additional layer(s) of base insulation | FTR 601 or FTR-601 PG | FB2-390 or FB3-490 | -210.0 |
| R-60. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | None | N/A | FB2-390 or FB3-490 | -210.0 |
| R-61. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | FB2-390 or FB3-490 | -232.5 |
| R-62. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR 601 or FTR-601 PG | FB2-390 or FB3-490 | -135.0 |
| R-63. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | FTR-601 ECO | (Optional) Additional layer(s) of base insulation | FTR-601 ECO | FB2-390 or FB3-490 | -210.0 |
| R-64. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | None | N/A | FB2-390 or FB3-490 | -210.0 |
| R-65. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | FB2-390 or FB3-490 | -232.5 |
| R-66. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR-601 ECO | FB2-390 or FB3-490 | -135.0 |
| R-67. | Existing asphaltic BUR | Min. 0.5-inch FTR-Value A or FTR-Value H | OB500 | None | N/A | FB2-390 or FB3-490 | -82.5 |
| R-68. | Existing asphaltic BUR | Min. 0.25-inch DensDeck or DensDeck Prime | OB500 | None | N/A | FB2-390 or FB3-490 | -120.0 |
| R-69. | Existing asphaltic BUR | Min. 0.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | (Optional) Additional layer(s) of base insulation or min. 0.25-inch DensDeck | OB500 | FB2-390 or FB3-490 | -120.0 |
| R-70. | Existing asphaltic BUR | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | (Optional) Additional layer(s) of base insulation or min. 0.25-inch DensDeck | Polyset CRA | FB2-390 or FB3-490 | -195.0 |


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|---|---|---|---|---|---|---|---|
| [A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Section 4.1.2) or performance of the substrate (See Section 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction. | | | | | | | |
| System No. | Substrate (4.1.2, 4.2.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf)*[A] |
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN HOT ASPHALT: | | | | | | | |
| R-71. | Existing asphaltic BUR or modified bitumen | Min. 0.25-inch DensDeck | hot asphalt | None | N/A | FB4-HA | -45.0 |
| R-72. | Existing asphaltic BUR or modified bitumen | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | hot asphalt | None | N/A | FB4-HA | -45.0 |
| R-73. | Existing asphaltic BUR | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | hot asphalt | Min. 0.25-inch DensDeck | hot asphalt | FB4-HA | -240.0 |
| R-74. | Existing asphaltic BUR | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | hot asphalt | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | hot asphalt | FB4-HA | -247.5 |
| R-75. | Existing asphaltic BUR | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | hot asphalt | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | hot asphalt | FB4-HA | -375.0 |
| R-76. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | None | N/A | FB4-HA | -210.0 |
| R-77. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck or DensDeck Prime | FTR 601 or FTR-601 PG | FB4-HA | -232.5 |
| R-78. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | FB4-HA | -247.5 |
| R-79. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR 601 or FTR-601 PG | FB4-HA | -135.0 |
| R-80. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | None | N/A | FB4-HA | -210.0 |
| R-81. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime | FTR-601 ECO | FB4-HA | -232.5 |


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**TABLE 17A: RECOVER APPLICATIONS**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER***

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Section 4.1.2) or performance of the substrate (See Section 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

| System No. | Substrate (4.1.2, 4.2.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf)*[A] |
|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| R-82. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | FB4-HA | -247.5 |
| R-83. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | FTR-601 ECO | FB4-HA | -135.0 |
| R-84. | Existing asphaltic BUR | Min. 0.25-inch DensDeck or DensDeck Prime | OB500 | None | N/A | FB4-HA | -120.0 |
| R-85. | Existing asphaltic BUR | Min. 0.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | Min. 0.25-inch DensDeck | OB500 | FB4-HA | -120.0 |
| R-86. | Existing asphaltic BUR | Min. 0.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | FB4-HA | -120.0 |
| R-87. | Existing asphaltic BUR | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | FB4-HA | -195.0 |
| **FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN POLYSET COMMERCIAL ROOF ADHESIVE (SPATTER) OR FTR-601 PG (SPATTER):** | | | | | | | |
| R-88. | Existing asphaltic BUR or modified bitumen | Min. 0.5-inch FTR-Value A, FTR-Value H or FTR-Value H Glass Facer or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | hot asphalt | None | N/A | FB5-CR20 or FB6-601PG | -45.0 |
| R-89. | Existing asphaltic BUR | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | hot asphalt | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | hot asphalt | FB5-CR20 or FB6-601PG | -105.0 |
| R-90. | Existing asphaltic BUR | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | hot asphalt | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board | hot asphalt | FB5-CR20 | -375.0 |
| R-91. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | FB5-CR20 or FB6-601PG | -210.0 |
| R-92. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 7/16-inch DEXcell Cement Roof Board | FTR 601 or FTR-601 PG | FB5-CR20 | -135.0 |
| R-93. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | FB5-CR20 or FB6-601PG | -210.0 |
| R-94. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III-A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 7/16-inch DEXcell Cement Roof Board | FTR-601 ECO | FB5-CR20 | -135.0 |


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**TABLE 17A: RECOVER APPLICATIONS**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER***

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Section 4.1.2) or performance of the substrate (See Section 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

| System No. | Substrate (4.1.2, 4.2.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | MDP (psf)*[A] |
|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | | |
| R-95. | Existing asphaltic BUR or modified bitumen | Min. 0.5-inch FTR-Value A, FTR-Value H or FTR-Value H Glass Facer | OB500 | None | N/A | FB5-CR20 or FB6-601PG | -45.0 |
| R-96. | Existing asphaltic BUR | Min. 0.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | FB5-CR20 or FB6-601PG | -105.0 |
| R-97. | Existing asphaltic BUR | Min. 1.5-inch FTR-Value, FTR-Value A or FTR-Value H | Polyset CRA | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Polyset CRA | FB5-CR20 or FB6-601PG | -105.0 |

**TABLE 17B: RECOVER APPLICATIONS**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED MULTI-PLY ROOF COVER***

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Section 4.1.2) or performance of the substrate (See Section 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

| System No. | Substrate (4.1.2, 4.2.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | | | MDP (psf)*[A] |
|---|---|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | Base Ply | Ply | Cap Ply | |
| **FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN FTR-390:** | | | | | | | | | |
| R-98. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | None | N/A | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB2-390 | -210.0 |
| R-99. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB2-390 | -232.5 |
| R-100. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BP2-FTRSBSA | None | FB2-390 | -67.5 |
| R-101. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | None | N/A | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB2-390 | -210.0 |
| R-102. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB2-390 | -232.5 |
| R-103. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | BP2-FTRSBSA | None | FB2-390 | -67.5 |
| R-104. | Existing asphaltic BUR | Min. 0.25-inch DensDeck Prime | OB500 | None | N/A | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB2-390 | -120.0 |


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**TABLE 17B: RECOVER APPLICATIONS**
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED MULTI-PLY ROOF COVER***

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Section 4.1.2) or performance of the substrate (See Section 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

| System No. | Substrate (4.1.2, 4.2.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | | | MDP (psf)*[A] |
|---|---|---|---|---|---|---|---|---|---|
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | Base Ply | Ply | Cap Ply | |
| R-105. | Existing asphaltic BUR | Min. 0.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB2-390 | -120.0 |
| **FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN HOT ASPHALT:** | | | | | | | | | |
| R-106. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | None | N/A | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB4-HA | -210.0 |
| R-107. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB4-HA | -232.5 |
| R-108. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601 or FTR-601 PG | BP2-FTRSBSA or BP3-CEFA | (Optional) BP2-FTRSBSA or BP3-CEFA | FB4-HA | -105.0 |
| R-109. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BP2-FTRSBSA or BP3-CEFA | (Optional) BP2-FTRSBSA or BP3-CEFA | FB4-HA | -167.5 |
| R-110. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BP2-FTRSBSA or BP3-CEFA | (Optional) BP2-FTRSBSA or BP3-CEFA | FB4-HA | -167.5 |
| R-111. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | None | N/A | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB4-HA | -210.0 |
| R-112. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB4-HA | -232.5 |
| R-113. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR-601 ECO | BP2-FTRSBSA or BP3-CEFA | (Optional) BP2-FTRSBSA or BP3-CEFA | FB4-HA | -105.0 |
| R-114. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | BP2-FTRSBSA or BP3-CEFA | (Optional) BP2-FTRSBSA or BP3-CEFA | FB4-HA | -167.5 |
| R-115. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR-601 ECO, 6-inch o.c. | BP2-FTRSBSA or BP3-CEFA | (Optional) BP2-FTRSBSA or BP3-CEFA | FB4-HA | -167.5 |
| R-116. | Existing asphaltic BUR | Min. 0.25-inch DensDeck Prime | OB500 | None | N/A | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB4-HA | -82.5 |


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| TABLE 17B: RECOVER APPLICATIONS<br>SYSTEM TYPE A-1: BONDED INSULATION, BONDED MULTI-PLY ROOF COVER* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| [A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Section 4.1.2) or performance of the substrate (See Section 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction. | | | | | | | | | |
| System No. | Substrate (4.1.2, 4.2.2) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (3.1.4) | | | MDP (psf)*[A] |
| | | Type | Attach (3.1.3) | Type | Attach (3.1.3) | Base Ply | Ply | Cap Ply | |
| R-117. | Existing asphaltic BUR | Min. 0.5-inch FTR-Value, FTR-Value A or FTR-Value H | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | BP1-HA or BP4-TA | (Optional) BP1-HA or BP4-TA | FB4-HA | -120.0 |
| FIBERTITE-FB, FIBERTITE-SM FB, FIBERTITE-XT FB OR FIBERTITE-XTREME FB APPLIED IN POLYSET COMMERCIAL ROOF ADHESIVE, FTR-601 PG OR COLPLY EF ADHESIVE: | | | | | | | | | |
| R-118. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR 601 or FTR-601 PG | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB5-CR20, FB6-601PG or FB7-CEFA | -167.5 |
| R-119. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601 or FTR-601 PG | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB5-CR20, FB6-601PG or FB7-CEFA | -105.0 |
| R-120. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR 601 or FTR-601 PG | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR 601 or FTR-601 PG, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB5-CR20, FB6-601PG or FB7-CEFA | -167.5 |
| R-121. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | FTR-601 ECO | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB5-CR20, FB6-601PG or FB7-CEFA | -167.5 |
| R-122. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR-601 ECO | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB5-CR20, FB6-601PG or FB7-CEFA | -105.0 |
| R-123. | Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch FTR-Value, FTR-Value A, FTR-Value-III A, FTR-Value H or FTR-Value H Glass Facer | FTR-601 ECO | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | FTR-601 ECO, 6-inch o.c. | BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | (Optional) BP1-HA, BP2-FTRSBSA, BP3-CEFA or BP4-TA | FB5-CR20, FB6-601PG or FB7-CEFA | -167.5 |

| TABLE 17C: STEEL - RECOVER<br>SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER<br>(All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.) | | | | | | |
|---|---|---|---|---|---|---|
| System No. | Substrate (4.1.2) | Insulation Layer | Attachment | | Roof Cover (3.1.4) | MDP (psf) |
| | | | Fastener (3.1.1, 4.2.2) | Spacing | | |
| R-124. | Existing standing seam or lap seam metal roof covers having **min. 16 ga.**, min. 50 ksi steel purlins spaced **max. 60-inch o.c.** | One or more layers, any combination, min. 1.5-inch thick, min. 16-psi compressive strength, loose laid or preliminarily attached | Fastener Options: FTR Retro-Driller<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 12-inch o.c. along purlins spaced max. 60-inch o.c. | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -52.5 |
| R-125. | Existing standing seam or lap seam metal roof covers having **min. 16 ga.**, min. 50 ksi steel purlins spaced **max. 60-inch o.c.** | One or more layers, any combination, min. 1.5-inch thick, min. 16-psi compressive strength, loose laid or preliminarily attached | Fastener Options: FTR Retro-Driller<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 12-inch o.c. along purlins spaced max. 60-inch o.c. | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -52.5 |


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**TABLE 17C: STEEL - RECOVER**
**SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER**
(All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.)

| System No. | Substrate (4.1.2) | Insulation Layer | Attachment | | Roof Cover (3.1.4) | MDP (psf) |
|---|---|---|---|---|---|---|
| | | | Fastener (3.1.1, 4.2.2) | Spacing | | |
| R-126. | Existing standing seam or lap seam metal roof covers having **min. 12 ga.**, min. 50 ksi steel purlins spaced **max. 60-inch o.c.** | One or more layers, any combination, min. 1.5-inch thick, min. 16-psi compressive strength, loose laid or preliminarily attached | Fastener Options: SFS Dekfast DF-#12-PC-SQ3 or Trufast #12 Purlin Fastener<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 12-inch o.c. along purlins spaced max. 60-inch o.c. | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -52.5 |
| R-127. | Existing standing seam or lap seam metal roof covers having **min. 12 ga.**, min. 50 ksi steel purlins spaced **max. 60-inch o.c.** | One or more layers, any combination, min. 1.5-inch thick, min. 16-psi compressive strength, loose laid or preliminarily attached | Fastener Options: SFS Dekfast DF-#12-PC-SQ3 or Trufast #12 Purlin Fastener<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 12-inch o.c. along purlins spaced max. 60-inch o.c. | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -52.5 |
| R-128. | Existing standing seam or lap seam metal roof covers having **min. 16 ga.**, min. 50 ksi steel purlins spaced **max. 60-inch o.c.** | One or more layers, any combination, min. 1.5-inch thick, min. 16-psi compressive strength, loose laid or preliminarily attached | Fastener Options: FTR Retro-Driller<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 6-inch o.c. along purlins spaced max. 60-inch o.c. | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -82.5 |
| R-129. | Existing standing seam or lap seam metal roof covers having **min. 16 ga.**, min. 50 ksi steel purlins spaced **max. 60-inch o.c.** | One or more layers, any combination, min. 1.5-inch thick, min. 16-psi compressive strength, loose laid or preliminarily attached | Fastener Options: FTR Retro-Driller<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 6-inch o.c. along purlins spaced max. 60-inch o.c. | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -82.5 |
| R-130. | Existing standing seam or lap seam metal roof covers having **min. 12 ga.**, min. 50 ksi steel purlins spaced **max. 60-inch o.c.** | One or more layers, any combination, min. 1.5-inch thick, min. 16-psi compressive strength, loose laid or preliminarily attached | Fastener Options: SFS Dekfast DF-#12-PC-SQ3 or Trufast #12 Purlin Fastener<br>Plate Options: FTR-IW isoweld, SFS isoweld F1-P-6.8 PVC Plate or SFS FI-P-16.0-PVC Plate with FI-R-20 insert tube | 6-inch o.c. along purlins spaced max. 60-inch o.c. | FiberTite, FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -82.5 |
| R-131. | Existing standing seam or lap seam metal roof covers having **min. 12 ga.**, min. 50 ksi steel purlins spaced **max. 60-inch o.c.** | One or more layers, any combination, min. 1.5-inch thick, min. 16-psi compressive strength, loose laid or preliminarily attached | Fastener Options: SFS Dekfast DF-#12-PC-SQ3 or Trufast #12 Purlin Fastener<br>Plate Options: OMG RhinoBond Insulation Plate (PVC), OMG RhinoBond TreadSafe Plate (PVC) with TreadSafe insert or Trufast PVC IW Plate | 6-inch o.c. along purlins spaced max. 60-inch o.c. | FiberTite-XT, FiberTite-SM or FiberTite-XTreme induction welded with plate-manufacturer's welding tool. | -82.5 |

**TABLE 17D: STEEL - RECOVER**
**SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER**
(All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.)

| System No. | Deck (4.1.2) | Insulation (3.1.2) | | Roof Cover (3.1.4) | | | MDP (psf) |
|---|---|---|---|---|---|---|---|
| | | Type | Attach | Membrane | Fastener (3.1.1, 4.2.2) | Attachment | |
| **OPEN STYLE:** | | | | | | | |
| R-132. | Existing standing seam or lap seam metal roof covers having min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced **max. 95-inch o.c.** | One or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FTR-PurlinT Fastener with FTR Magnum-R275 | 18-inch o.c. within min. 5-inch wide laps spaced max. 95-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld. | -30.0 (NO HVHZ) |


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| TABLE 17D: STEEL - RECOVER<br>SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER<br>(All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.) | | | | | | | |
|---|---|---|---|---|---|---|---|
| System No. | Deck (4.1.2) | Insulation (3.1.2) | | Roof Cover (3.1.4) | | | MDP (psf) |
| | | Type | Attach | Membrane | Fastener (3.1.1, 4.2.2) | Attachment | |
| R-133. | Existing standing seam or lap seam metal roof covers having min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced **max. 95-inch o.c.** | One or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FTR-PurlinT Fastener with FTR Magnum-R275 | 12-inch o.c. within min. 5-inch wide laps spaced max. 95-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld. | -45.0 |
| R-134. | Existing standing seam or lap seam metal roof covers having min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced **max. 95-inch o.c.** | One or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FTR-PurlinT Fastener with FTR Magnum-R275 | 6-inch o.c. within min. 5-inch wide laps spaced max. 95-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld. | -67.5 |
| **CLOSED STYLE:** | | | | | | | |
| R-135. | Existing standing seam or lap seam metal roof covers having min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced **max. 120-inch o.c.** | One or more layers, any combination | Prelim. attached | FiberTite, XT, SM or Xtreme | FTR-PurlinT Fastener with FTR Magnum-R275 | 12-inch o.c. through the field of the membrane in rows spaced max. 120-inch o.c. to engage steel purlin. Fastener rows covered with a 6-inch wide strip of FiberTite membrane with 1½-inch field welds on all sides. | -45.0 |

| TABLE 17E: RECOVER APPLICATIONS<br>SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER* | | | |
|---|---|---|---|
| [A] The reported MDP documents the allowable maximum design pressure of the new roof cover when installed atop the substrate, irrespective of the deck type (See Section 4.1.2) or performance of the substrate (See Section 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction. | | | |
| System No. | Substrate (4.1.2, 4.2.2) | Roof Cover (3.1.4) | MDP (psf)*[A] |
| R-136. | Existing fully adhered granule-surface built-up roof (BUR), or existing fully adhered granule-surface APP or SBS modified bitumen | FB2-390 (2 gal./square) | -85.0 |
| R-137. | Existing fully adhered smooth-surface built-up roof (BUR) or existing fully adhered smooth-surface SBS modified bitumen | FB2-390 (2 gal./square) | -410.0 |
| R-138. | Existing fully adhered smooth-surface or granule-surface built-up roof (BUR), existing fully adhered smooth-surface or granule-surface SBS modified bitumen or existing fully adhered granule-surface APP modified bitumen | FB4-HA or FB5-CR20 | -410.0 |
| R-139. | Existing fully adhered smooth-surface SBS modified bitumen | FB6-601PG | -410.0 |


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