EVALUATION REPORT

FLORIDA BUILDING CODE, 9TH EDITION (2026)

Issued September 3, 2026

Manufacturer: U.S. Ply, Inc.
PO Box 11740
Fort Worth, TX 76110
(866) 787-4759
www.usply.com

Manufacturing Plants: Fort Worth, TX

Quality Assurance: FM Approvals (QUA1860)

SCOPE

Category: Roofing
Subcategory: Modified Bitumen Roof System
Code Edition: Florida Building Code, 9th Edition (2026) Non-HVHZ
Code Sections: 1504.3.1, 1504.6, 1504.7, 1507.10.2, 1507.11.2,
Properties: Wind Resistance, Physical Properties, Impact Resistance

PRODUCT DESCRIPTION

Products	Specification	Description
DuraFlex™ 30 SBS Base	ASTM D 4601	Base or ply sheet, Type II, for mechanical attachment, hot asphalt and cold adhesive applications
DuraWeld 4M APP	ASTM D 6222	Cap sheet, Grade G, Type I, for torched applications
DuraWeld 4M FR APP	ASTM D 6222	Cap sheet, Grade G, Type I, for torched applications
DuraWeld 4S APP	ASTM D 6222	Base, ply or cap sheet, Grade S, Type I, for torched applications
SafeWeld 180FR APP	ASTM D 6222	Cap sheet, Grade G, Type I, for cold adhesive or torched applications
SafeWeld 180M APP	ASTM D 6222	Cap sheet, Grade G, Type I, for cold adhesive or torched applications
SafeWeld 180S APP	ASTM D 6222	Base, ply or cap sheet, Grade S, Type I, for cold adhesive or torched applications
USP APP 160M	ASTM D 6222	Cap sheet, Grade G, Type I, for torched applications
USP APP 160S	ASTM D 6222	Base, ply or cap sheet, Grade S, Type I, for torched applications
USP APP 160S Plus	ASTM D 6222	Base, ply or cap sheet, Grade S, Type I, for torched applications
USP™ Base Sheet	ASTM D 4601	Base or ply sheet, Type II, for mechanical attachment, hot asphalt and cold adhesive applications
USP™ Type IV Glass Ply	ASTM D 2178	Base or ply sheet, Type IV, for hot asphalt applications
USP™ Type VI Premium Glass Ply	ASTM D 2178	Base or ply sheet, Type VI, for hot asphalt applications

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REFERENCES

Entity	Report No.	Standard	Year
FM Approvals (TST1867)	3012321	FM 4470	2022
		FM 4474	2022
		TAS 114	2011
FM Approvals (TST1867)	3014692	FM 4470	2022
FM Approvals (TST1867)	3018332	FM 4454	2010
		FM 4474	2022
		TAS 114	2011
FM Approvals (TST1867)	3020703	FM 4470	2022
FM Approvals (TST1867)	3023458	FM 4470	2022
FM Approvals (TST1867)	3024594	FM 4470	2022
FM Approvals (TST1867)	3024973	FM 4470	2022
FM Approvals (TST1867)	3026528	FM 4470	2022
		FM 4474	2022
		TAS 114	2011
FM Approvals (TST1867)	3026836	FM 4470	2022
FM Approvals (TST1867)	3028478	FM 4470	2022
FM Approvals (TST1867)	3029655	FM 4470	2022
FM Approvals (TST1867)	3029993	FM 4470	2022
FM Approvals (TST1867)	3033028	FM 4470	2022
FM Approvals (TST1867)	3032172	FM 4470	2022
Trinity|ERD (TST6049)	U11650.07.09-1	FM 4470	2022
Trinity|ERD (TST6049)	U0230.12.06-R1	FM 4470	2022
		TAS 114	2011
Trinity|ERD (TST6049)	2005.U0212.09.05-R1	FM 4470	2022
		TAS 114	2011
Trinity|ERD (TST6049)	U0215.0506-2-R2	ASTM D 6222	2016(2023)
Trinity|ERD (TST6049)	U30120.11.10	FM 4470	2022
		FM 4474	2022
		TAS 114	2011
Trinity|ERD (TST6049)	U33320.08.10-1	FM 4474(B)	2022
		TAS 114(D)	2011
Trinity|ERD (TST6049)	U33320.10.10	FM 4474(D)	2012
		TAS 114(J)	2011
Trinity|ERD (TST6049)	U41790.05.12-1-R1	ASTM D 6222	2016(2023)
Trinity|ERD (TST6049)	U41790.05.12-2-R2	ASTM D 6222	2016(2023)
		TAS 110	2000

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LIMITATIONS

1. This evaluation report is not use in the HVHZ.
2. Fire classification is not within the scope of this evaluation.
3. The roof deck and the roof deck attachment shall be designed by others to meet the minimum design loads established for components and cladding and in accordance with FBC requirements.
4. Foam plastic insulation shall be installed in accordance with the FBC Section 2603.4 and 2603.6.
5. Installation of the evaluated products shall comply with this report, the FBC, and the manufacturer's published application instructions. Where discrepancies exist between these sources, the more restrictive and FBC compliant installation detail shall prevail.
6. The minimum roof slope shall be 1/4:12 for new construction.
7. For assemblies containing mechanical attachment, the allowable uplift pressure for the selected assembly shall meet or exceed the minimum design loads as determined in accordance with the FBC Chapter 16. For perimeter and corner roof zones 2 and 3, the attachment density may be increased by a qualified design professional, as necessary, to meet the design pressure requirements in these areas. Commonly used standards include RAS 117, FM LPDS 1-29, or ANSI/SPRI WD-1.
8. Reroofing applications shall be examined in accordance with FBC Section 1511. For mechanically fastened systems, a field withdrawal resistance test (ANSI/SPRI FX-1 or TAS 105) shall be conducted by a qualified professional to ensure the fastener meets the minimum design load requirements of the system. For adhered systems, a field uplift resistance test (ASTM E 907, FM LPDS 1-52, ANSI/SPRI IA-1, or TAS) shall be conducted to confirm conformance of the existing to the minimum design loads.
9. For assemblies adhered in ribbon-applied adhesive, the allowable uplift pressure for the selected assembly shall meet or exceed the minimum design loads as determined in accordance with the FBC Chapter 16. The attachment density may be increased by a qualified design professional, as necessary, to meet the design pressure requirements in the periphery zones. Calculations shall be conducted in compliance with FM LPDS 1-29.
10. Materials shall conform to FBC Sections 1506 and 1711.
11. FBC Section 1504.3.1.1 is not within the scope of this evaluation.
12. All products listed in this report shall be manufactured under a quality assurance program in compliance with Rule 61G20-3.

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COMPLIANCE STATEMENT

This report has been prepared in accordance with F.A.C. Rule 61G20-3.

This item has been digitally signed and sealed by Zachary R. Priest, PE, on 9/3/2026.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Digitally signed by Zachary R. Priest
2026.09.03 11:09:22 -04'00'

Zachary R. Priest, P.E.
Florida Registration No. 74021
Organization No. ANE9641

CERTIFICATION OF INDEPENDENCE

CREEK Technical Services, LLC does not have, nor will it acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

CREEK Technical Services, LLC is not owned, operated, or controlled by any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

APPENDICES

1) APPENDIX A – Installation (2 pages)
2) APPENDIX B – Nomenclature and Approved Assemblies (26 pages)

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INSTALLATION

Note - Refer to the APPROVED ASSEMBLIES section of this report within Appendix B for specific installation details of a selected assembly.

Unless otherwise specified in this report the following installation details shall be met for the named products:

Component	Product	Installation Detail
Fastening Systems	Dekfast PLT-R-3	Min. 3-inch diameter Galvalume® steel plate
	Dekfast DF-#12-PH3	Min.0.75-inch penetration through the top rib of the steel deck or wood deck
	Dekfast DF-#14-PH3	Min. 0.75-inch penetration through the top rib of the steel deck or wood deck. Min. penetration 1-inch into concrete deck.
	Jevcap Hurricane Capnails	Min. 30 ga. x 1-5/8-inch diameter steel disc with 11 ga. x 1-1/4-inch annular ring shank nail bonded in the center of the disc
	Steel Round Javcaps	Min. 1-inch diameter steel disc with 11 ga. x 1-1/4-inch annular ring shank nail bonded in the center of the disc
	OMG #12 Standard Roofgrip	Min.0.75-inch penetration through the top rib of the steel deck or wood deck
	OMG Heavy Duty Fastener	#14 fastener; Min. 0.75-inch penetration through the top rib of the steel deck or wood deck. Min. penetration 1-inch into concrete deck.
	OMG #14 Roofgrip Fastener	Min. 0.75-inch penetration through the top rib of the steel deck or wood deck. Min. penetration 1-inch into concrete deck.
	OMG CD-10 Fastener	Min. penetration 1-inch into concrete deck.
	OMG 3" Galvalume Steel Plate	3" round Galvalume® steel plate
	OMG AccuTrac Flat Bottom Plate	3" square A2-SS aluminized steel plate
	OMG 3" AccuTrac Plate	3" square Galvalume® steel plate
	PlyFast #12 CDP Fastener	Min.0.75-inch penetration through the top rib of the steel deck or wood deck
	PlyFast #14 HD Fastener	#14 fastener; Min. 0.75-inch penetration through the top rib of the steel deck or wood deck. Min. penetration 1-inch into concrete deck.
	PlyFast #15 EHD Fastener	Min. 0.75-inch penetration through the top rib of the steel deck or wood deck. Min. penetration 1-inch into concrete deck.
	PlyFast 75 Base Ply Fastener	1.2-inch shank; Base sheet fastener with integrated 2.7-inch diameter plate.
	PlyFast 90 Base Ply Fastener	1.7-inch shank; Base sheet fastener with integrated 2.7-inch diameter plate.
	PlyFast Double-Lock Nail	Min. 1.8-inch shank; Base sheet fastener with integrated 2.7-inch diameter plate and locking staple.
	PlyFast Standard Metal Plate	Min. 3-inch diameter Galvalume® steel plate with reinforcing ribs
	Trufast #12 DP Fastener	Min.0.75-inch penetration through the top rib of the steel deck or wood deck
	Trufast #14 HD Fastener	Min. 0.75-inch penetration through the top rib of the steel deck or wood deck. Min. penetration 1-inch into concrete deck.
	Trufast 3" Metal Insulation Plate	Min. 3-inch diameter Galvalume® steel plate with reinforcing ribs
	Trufast FM-75 Base Sheet Fastener	1.2-inch shank; Base sheet fastener with integrated 2.7-inch diameter plate.
	Trufast FM-90 Base Sheet Fastener	1.7-inch shank; Base sheet fastener with integrated 2.7-inch diameter plate.
	Trufast Insuldeck Loc-Nail	Min. 1.7-inch shank; Base sheet fastener with integrated 2.7-inch diameter plate and locking staple.
	Trufast Twin Loc-Nail Assembled Fastener	Min. 1.8-inch shank; Base sheet fastener with integrated 2.7-inch diameter plate and locking staple.
Insulation Adhesives	ASTM D 312, Type IV Asphalt	Fully adhered within the EVT range at a rate of 20-40 lbs/100 ft^2
	ICP Adhesives CR-20	Applied in 2.5 to 3.5-inch wide continuous ribbons, max. 12-inch o.c.
	OMG OlyBond 500	Applied in 3/4 to 1-inch wide continuous ribbons, max. 12-inch o.c.
	PlyLink Solvent Free Adhesive	Fully adhered at a rate of 2 gal/sq

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Component	Product	Installation Detail
Membrane Adhesives	ASTM D 312, Type IV Asphalt	Fully adhered within the EVT range at a rate of 25-40 lbs/100 ft^2
	SafeWeld APP Modified Bitumen Adhesive	Fully adhered at a rate of 1.5-2 gal/sq
Insulation/Cover Boards	ACFoam-II	Min. 0.5-inch thick; Min. 20 psi polyisocyanurate board with various facers; Adhered boards shall be a maximum 4-ft x 4-ft
	ACFoam-III	
	ACFoam-IV	
	ACFoam-IV Tapered	
	ENRGY 3	
	FescoBoard	Min. 0.75-inch thick
	Georgia-Pacific DensDeck	Min. 0.25-inch thick gypsum roof board with fiberglass facer
	Georgia-Pacific DensDeck Prime	
	H-Shield	Min. 0.5-inch thick; Min. 20 psi polyisocyanurate board with various facers; Adhered boards shall be a maximum 4-ft x 4-ft
	H-Shield CG	
	Insulfoam I	Min. Type I ASTM C 578, Adhered boards shall be a maximum 4-ft x 4-ft
	Insulfoam II	Min. Type II ASTM C 578; Adhered boards shall be a maximum 4-ft x 4-ft
	Insulfoam VIII	Min. Type VIII ASTM C 578; Adhered boards shall be a maximum 4-ft x 4-ft
	Insulfoam IX	Min. Type IX ASTM C 578; Adhered boards shall be a maximum 4-ft x 4-ft
	ISO 95+GL	Min. 0.5-inch thick; Min. 20 psi polyisocyanurate board with various facers; Adhered boards shall be a maximum 4-ft x 4-ft
	Multi-Max FA3	
	Tapered Thermaroof-3	
	Structodek High Density Fiberboard	Min. 0.5-inch thick
	Ultra-Max	Min. 0.5-inch thick; Min. 20 psi polyisocyanurate board with various facers; Adhered boards shall be a maximum 4-ft x 4-ft
	USG SECUROCK Gypsum-Fiber Roof Board	Min. 0.25-inch thick gypsum roof board with fiber reinforcement
Base/Ply Sheets	DuraFlex 30 SBS Base	Min. 3-inch wide side-laps; Min. 6-inch end laps; Side-laps shall be installed perpendicular to the direction of the steel deck ribs and parallel to the direction of the wood trusses for mechanically attached systems
	DuraWeld 4S APP	
	SafeWeld 180S APP	
	USP APP 160S	
	USP APP 160S Plus	
	USP Base Sheet	
	USP Type IV	
	USP Type VI	
Cap Sheets	DuraWeld 4M APP	Min. 4-inch side-laps; Min. 6-inch end-laps
	DuraWeld 4MFR APP	
	DuraWeld 4S APP	
	SafeWeld 180FR APP	
	SafeWeld 180M APP	
	SafeWeld 180S APP	
	USP APP 160M	
	USP APP 160S	
	USP APP 160 S Plus	
Cellular Lightweight Concrete	Min. 300 psi Celcore MF with HS Rheology Admixture	Slurry coat min. 1/8-inch thick; 1-inch thick EPS board (1 lbs/ft^3); Min. 2-inch thick top coat; Celcore PVA curing compound applied at rate of 300 ft^2/gal
	Min. 200 psi Celcore	Slurry coat min. 1/8-inch thick; OPTIONAL: Min. 1-inch thick EPS board (1 lbs/ft^3); Min. 2-inch thick top coat
	Min. 200 psi Celcore MF	
	Min. 200 psi Mearlcrete	
	Min. 200 psi Elastizell	
	Min. 300 psi Cellular Lightweight Concrete	

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NOMENCLATURE

The following naming conventions are utilized to specify products in the APPROVED ASSEMBLIES section of this report. Refer to the nomenclature below when deciphering the allowable products for use in the selected assembly. Installation requirements shall be as noted in the APPROVED ASSEMBLIES and INSTALLATION section of this report.

Name	Definition		
As Tested	Information provided to the report user based on the as tested condition of the roof system		
CA APP Base	One ply of the following fully bonded by in SafeWeld APP Modified Bitumen Adhesive: SafeWeld 180S APP or USP Base Sheet		
CA APP Cap	One ply of the following fully bonded by in SafeWeld APP Modified Bitumen Adhesive: SafeWeld 180FR APP, SafeWeld 180M APP or SafeWeld 180S APP		
CA APP Ply	One ply of the following fully bonded by in SafeWeld APP Modified Bitumen Adhesive: SafeWeld 180S APP		
CD Fasteners & Plates	One of the following: -Dekfast PLT-R-3 with Dekfast DF-#14-PH3 fastener -OMG 3" Galvalume Steel Plate with OMG Heavy Duty or CD-10 fastener -OMG AccuTrac or AccuTrac Flat Bottom Plate with OMG #14 Roofgrip fastener -PlyFast Standard Metal Plate with PlyFast #14 HD or #15 EHD fastener -Trufast 3" Metal Insulation Plate with Trufast #14HD fastener		
CR-20	ICP Adhesives CR-20		
Cover Board	One layer of cover board listed in this report or *approved* under rule 61G20-3, such as gypsum, cement board, perlite, polyisocyanurate, or wood fiberboard. Insulation shall be preliminarily secured unless otherwise noted.		
Deck Detail	*As Tested* deck construction details are described as follows:		
	Concrete Deck	Min. f'_c = 2,500 psi at 28 days	
	CWF Deck	Min. 2.5-inch thick Tectum I cementitious wood fiber panels	
	Steel Deck	Min. 22 ga, Wide Rib Deck (Type WR) conforming to ANSI/SDI-RD1.0 & FBC; 0.5% Vented for *LWIC* applications only. The following nomenclature is used to further describe the *As Tested* condition.	
		F<#>	<#> #12-24 HWH self-drilling screws or equivalent fastener at each flute used to secure the deck to the structural supports; Min. 0.25-inch penetration
		G<#>	Min. Grade <#> of *Steel Deck*
		L<#>	Max. span of <#> ft
		P	Min. 5/8-inch diameter puddle welds at each flute used to secure the deck to the structural supports
		S<#>	1/4 "-14 HWH x7/8" self-drilling screws or equivalent fastener secured <#>-inch o.c. along the panel side laps
		W	3/4-inch O.D. flat washer used with indicated fastener
	Wood Deck	APA Span-Rated plywood sheathing. The following nomenclature is used to further describe the *As Tested* condition.	
		T<#>P	Min. <#>-inch thickness of the plywood
		T<#>O	Min. <#>-inch thickness of the OSB
		L<#>	Max. span of <#> inches
		N<#>	8d ring shank nails spaced <#>-inch o.c. at all intermediate supports and at the perimeter of each board
DensDeck	Min. 0.25-inch Georgia-Pacific DensDeck		
DensDeck Prime	Min. 0.25-inch Georgia-Pacific DensDeck Prime		

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Name	Definition
HA BUR Base	One ply of the following fully bonded in ASTM D 312, Type IV hot asphalt: DuraFlex 30 SBS Base, USP Base Sheet, USP Type IV Glass Ply or USP Type VI Premium Glass Ply
HA BUR Ply	One or more plies of the following fully bonded in ASTM D 312, Type IV hot asphalt: USP Type IV Glass Ply or USP Type VI Premium Glass Ply
Hot Asphalt	ASTM D 312, Type IV Asphalt
Insulation	One or more layers or combinations of roofing insulation listed in this report or *approved* under rule 61G20-3, such as gypsum, perlite, polyisocyanurate, polystyrene, or wood fiberboard. Insulation shall be preliminarily secured unless otherwise noted.
ISO	One or more layers of ASTM C1289, Type II polyisocyanurate
ISO I	One layer of any of the following products: -ACFoam-II -ACFoam-III -ACFoam-IV -Multi-Max FA3 -H-Shield -H-Shield CG -ENRGY 3 -ISO 95+ GL
ISO II	One layer of any of the following products: -ACFoam-II -ACFoam-III -Multi-Max FA3
ISO III	One layer of any of the following products: -ACFoam-II -Multi-Max FA3 -H-Shield -ENRGY 3 -ISO 95+ GL
ISO IV	One layer of any of the following products: -ACFoam-II -ACFoam-III -Multi-Max FA3 -H-Shield
ISO V	One layer of any of the following products: -ACFoam-II -H-Shield -ENRGY 3 -ISO 95+ GL
ISO VI	One layer of any of the following products: -ACFoam-II -H-Shield -H-Shield CG -ENRGY 3 -ISO 95+ GL

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Name	Definition
ISO VII	One layer of any of the following products: -ACFoam-II -ACFoam-III -Multi-Max FA3 -H-Shield -H-Shield CG -ENRGY 3
LWIC	Poured-in-place Cellular Lightweight Concrete with encapsulated insulation board
MA Base	One ply of the following mechanically attached as prescribed per the approved assembly: DuraFlex 30 SBS Base or USP™ Base Sheet
MA Base I	One ply of the following mechanically attached as prescribed per the approved assembly: DuraFlex 30 SBS Base, USP™ Base Sheet, USP Type IV Glass Ply or USP Type VI Premium Glass Ply
MCRF	Minimum Characteristic Resistance Force as determined by TAS 105 for the named fastener in the selected assembly
MDP	Maximum Design Pressure
OB500	OMG OlyBond 500
PlyLink SFA	PlyLink Solvent Free Adhesive
Preliminarily Secured	Fastened per the manufacturer's minimum requirements
Recover	Where assemblies are used to recover an existing roof, the existing roof shall consist of only one layer of roofing, i.e. recovering a previously recovered roof is not permitted. Recover roofing shall be conducted in compliance with FBC Section 1511. For mechanically fastened roof assemblies, the existing roof insulation thickness may be contributory in meeting the minimum insulation thickness requirements for a given assembly.
SD Fasteners & Plates	One of the following: -Dekfast PLT-R-3 with Dekfast DF-#12-PH3 or DF-##14-PH3 fastener -OMG 3" Galvalume Steel Plate with OMG #12 Standard Roofgrip or Heavy Duty fastener -OMG AccuTrac or AccuTrac Flat Bottom Plate with OMG #12 Standard Roofgrip or #14 Roofgrip fastener -PlyFast Standard Metal Plate with PlyFast #12 CDP, #14 HD or #15 EHD fastener -Trufast 3" Metal Insulation Plate with Trufast #12 DP or #14 HD fastener
SECUROCK	Min. 0.25-inch USG SECUROCK Gypsum-Fiber Roof Board
TA APP Base	One ply of the following fully bonded by torch adhering: DuraWeld 4S APP, USP APP 160S, USP APP 160S Plus
TA APP Cap	One ply of the following fully bonded by torch adhering: DuraWeld 4M APP, DuraWeld 4MFR APP, DuraWeld 4S APP, SafeWeld 180FR APP, SafeWeld 180M APP, SafeWeld 180S APP, USP APP 160M, USP APP 160S, USP APP 160S Plus
TA APP Ply	One or more plies of the following fully bonded by torch adhering: DuraWeld 4S APP, USP APP 160S, USP APP 160S Plus
WD Fasteners & Plates	One of the following: -Dekfast PLT-R-3 with Dekfast DF-#12-PH3 or DF-#14-PH3 fastener -OMG 3" Galvalume Steel Plate with OMG #12 Standard Roofgrip or Heavy Duty fastener -OMG AccuTrac Flat Bottom Plate with OMG #12 Standard Roofgrip or #14 Roofgrip fastener -PlyFast Standard Metal Plate with PlyFast #12 CDP or #14 HD fastener -Trufast 3" Metal Insulation Plate with Trufast #12 DP or #14 HD fastener

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Name	Definition
WD HD Fasteners & Plates	One of the following: -OMG 3" Galvalume Steel Plate with OMG #14 Heavy Duty fastener -PlyFast Standard Metal Plate with PlyFast #14 HD fastener -Trufast MP-3 with Trufast HD fastener

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APPROVED ASSEMBLIES

The following notes shall be observed when using the assembly tables below.

1. *MDP*s were calculated using a 2:1 margin of safety per FBC Section 1504.9 and 1523.4.
2. Refer to **LIMITATIONS** and **NOMENCLATURE** sections of this evaluation when using the table(s) below.
3. Refer to **INSTALLATION** section of this report for installation detail when the information is not explicitly stated for the selected assembly.
4. The on-center (o.c.) spacing given is the maximum allowable attachment spacing for the rated system.
5. *As Tested* information for roof deck construction is provided for information only. The addition of the *As Tested* deck information does not obviate the requirement for rational design of the roof deck and roof deck attachment in accordance with FBC requirements.
6. Prior to application of the approved assembly an optional vapor barrier, such as 4-6 mil polyethylene, *V-Force*, or *DensDeck Prime* with *V-Force,* may be installed over concrete or steel decks when the approved assembly contains insulation or the membrane fastened through to the deck.

Assembly System Numbers and Definitions	
C-A-#	Assemblies with All Layers Adhered over *Concrete Deck* (New or Existing)
C-AM-#	Assemblies with Adhered Membranes over Fastened Insulation over *Concrete Deck* (New, Existing, or *Recover*)
C-M-#	Mechanically Fastened Assemblies over *Concrete Deck* (New, Existing, or *Recover*)
CW-A-#	Assemblies with All Layers Adhered over Cementitious Wood Fiber Deck (New or Existing)
CW-AM-#	Adhered Assemblies with Fastened Anchor Sheet or Base Insulation over Cementitious Wood Fiber Deck (New, Existing, or *Recover*)
CW-M-#	Mechanically Fastened Assemblies over Cementitious Wood Fiber Deck (New, Existing, or Recover)
G-A-#	Assemblies with All Layers Adhered over Gypsum Deck (Existing)
G-AM-#	Assemblies with Adhered Membranes over Insulated Gypsum Deck (Existing)
G-M-#	Mechanically Fastened Assemblies over Gypsum Deck (New or Existing)
LC-A-#	Lightweight Concrete Assemblies with All Layers Adhered over *Concrete Deck* (New or Existing)
LC-M-#	Mechanically Fastened Lightweight Concrete Assemblies over *Concrete Deck* (New or Existing)
LS-M-#	Mechanically Fastened Lightweight Concrete Assemblies over *Steel Deck* (New or Existing)
R-A-#	*Recover* Assemblies with All Layers Adhered
S-AM-#	Assemblies with Adhered Membranes over Fastened Insulation over *Steel Deck* (New, Existing, or *Recover*)
S-M-#	Mechanically Fastened Assemblies over *Steel Deck* (New, Existing, or *Recover*)
W-AM-#	Adhered Assemblies with Fastened Anchor Sheet or Base Insulation over *Wood Deck* (New, Existing, or *Recover*)
W-M-#	Mechanically Fastened Assemblies over *Wood Deck* (New or Existing)

Assemblies with All Layers Adhered over *Concrete Deck* (New or Existing)									
System No.	Primer	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	*MDP (psf)*
C-A-1	-	Min. 1.5-inch Insulfoam VIII	*CR-20*	*DensDeck or DensDeck Prime*	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-87.5 (Lim. 9)**

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Assemblies with All Layers Adhered over *Concrete Deck* (New or Existing)									
System No.	Primer	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	*MDP (psf)*
C-A-2	-	Min. 1.5-inch Insulfoam VIII	*CR-20*	*SECUROCK*	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-87.5 (Lim. 9)**
C-A-3	-	Min. 2-inch Insulfoam I, Insulfoam II, Insulfoam VIII or Insulfoam IX	*OB500*	*DensDeck, DensDeck Prime* or *SECUROCK*	*OB500*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-120 (Lim. 9)**
C-A-4	-	OPTIONAL Min. 1.5-inch *ISO V*	*OB500*	Min. 1/2-inch Structodek High Density Fiberboard	*OB500*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-120 (Lim. 9)**
C-A-5	-	OPTIONAL Min. 1.5-inch ENRGY 3	*OB500*	*DensDeck, DensDeck Prime* or *SECUROCK*	*OB500*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-127.5 (Lim. 9)**
C-A-6	-	OPTIONAL Min. 1.5-inch ACFoam-II, H-Shield or ISO 95+ GL	*OB500*	*DensDeck, DensDeck Prime* or *SECUROCK*	*OB500*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-150 (Lim. 9)**
C-A-7	-	Min. 1.5-inch Insulfoam II	*CR-20*	*DensDeck or DensDeck Prime*	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-180 (Lim. 9)**
C-A-8	-	Min. 1.5-inch Insulfoam II	*CR-20*	*SECUROCK*	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-180 (Lim. 9)**
C-A-9	-	Min. 1-inch *ISO VI*; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV	*CR-20*	Min. 1/2-inch Structodek High Density Fiberboard	*CR-20*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-180 (Lim. 9)**
C-A-10	ASTM D 41	Min. 1.5-inch ACFoam-II or Multi-Max FA3	*Hot Asphalt*	Min. 1/2-inch Structodek High Density Fiberboard	*Hot Asphalt*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-187.5 (Lim. 9)**
C-A-11	-	Min. 1.5-inch *ISO VII*	*CR-20*	Min. 1/2-inch Structodek High Density Fiberboard	*CR-20*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-187.5 (Lim. 9)**
C-A-12	-	Min. 2-inch ACFoam-II, ENRGY 3 or H-Shield	*OB500*	Min. 1/2-inch DensDeck Prime	*OB500*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-202.5 (Lim. 9)**
C-A-13	ASTM D 41	Min. 2-inch *ISO V*	*Hot Asphalt*	*SECUROCK*	*Hot Asphalt*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-225 (Lim. 9)**

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Assemblies with All Layers Adhered over *Concrete Deck* (New or Existing)									
System No.	Primer	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	*MDP (psf)*
C-A-14	-	Min. 1.5-inch Insulfoam IX	*CR-20*	*SECUROCK*	*CR-20*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-225 (Lim. 9)**
C-A-15	-	Min. 2-inch ACFoam-II, ENRGY 3 or H-Shield	*OB500*	*SECUROCK*	*OB500*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-225 (Lim. 9)**
C-A-16	ASTM D 41	Min. 1.5-inch ACFoam-II or Multi-Max FA3	*Hot Asphalt*	Min. 3/4-inch FescoBoard	*Hot Asphalt*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-232.5 (Lim. 9)**
C-A-17	ASTM D 41	Min. 2-inch *ISO V*	*Hot Asphalt*	*SECUROCK*	*Hot Asphalt*	*TA APP Base*	OPTIONAL *TA APP Ply*	*TA APP Cap*	**-232.5 (Lim. 9)**
C-A-18	-	Min. 1.5-inch Insulfoam IX	*CR-20*	*SECUROCK*	*CR-20*	*TA APP Base*	OPTIONAL *TA APP Ply*	*TA APP Cap*	**-232.5 (Lim. 9)**
C-A-19	-	Min. 2-inch ACFoam-II, ENRGY 3 or H-Shield	*OB500*	*SECUROCK*	*OB500*	*TA APP Base*	OPTIONAL *TA APP Ply*	*TA APP Cap*	**-232.5 (Lim. 9)**
C-A-20	-	Min. 1.5-inch Insulfoam IX	*CR-20*	*DensDeck or DensDeck Prime*	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-240 (Lim. 9)**
C-A-21	-	Min. 1-inch *ISO VI*; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV	*CR-20*	*DensDeck, DensDeck Prime* or *SECUROCK*	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-240 (Lim. 9)**
C-A-22	-	*DensDeck, DensDeck Prime* or *SECUROCK*	*CR-20*	-	-	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-245 (Lim. 9)**
C-A-23	-	Min. 2-inch ACFoam-IV or Tapered ACFoam-IV	*PlyLink SFA*	*SECUROCK*	*PlyLink SFA*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-262.5 (Lim. 9)**
C-A-24	-	Min. 1.5-inch *ISO VII*	*CR-20*	*DensDeck, DensDeck Prime* or *SECUROCK*	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-270 (Lim. 9)**
C-A-25	ASTM D 41	Min. 1.5-inch ACFoam-II or Multi-Max FA3	*Hot Asphalt*	*DensDeck or DensDeck Prime*	*Hot Asphalt*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-302.5 (Lim. 9)**
C-A-26	ASTM D 41	Min. 2-inch Multi-Max FA-3 or Tapered Thermaroof-3	*Hot Asphalt*	*SECUROCK*	*Hot Asphalt*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-397.5 (Lim. 9)**

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Assemblies with All Layers Adhered over *Concrete Deck* (New or Existing)									
System No.	Primer	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	*MDP (psf)*
C-A-27	ASTM D 41	Min. 2-inch ACFoam-IV or Tapered ACFoam-IV	*Hot Asphalt*	*SECUROCK*	*Hot Asphalt*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-487.5 (Lim. 9)**
C-A-28	ASTM D 41	-	-	-	-	*TA APP Base*	OPTIONAL *TA APP Ply*	*TA APP Cap*	**-495 (Lim. 9)**
C-A-29	-	Min. 2-inch ACFoam-IV or Tapered ACFoam-IV	*CR-20* ribbons spaced 6-inches	*SECUROCK*	*CR-20* ribbons spaced 6-inches	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-580 (Lim. 9)**
C-A-30	-	Min. 2-inch Multi-Max FA-3 or Tapered Thermaroof-3	*CR-20* ribbons spaced 6-inches	*SECUROCK*	*CR-20* ribbons spaced 6-inches	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-625 (Lim. 9)**
C-A-31	-	Min. 2-inch Multi-Max FA-3 or Tapered Thermaroof-3	*OB500* ribbons spaced 6-inches	*SECUROCK*	*OB500* ribbons spaced 6-inches	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-630 (Lim. 9)**

Assemblies with Adhered Membranes over Fastened Insulation over *Concrete Deck* (New, Existing, or *Recover*)								
System No.	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	*MDP* (psf)
C-AM-1	Min. 1.5-inch *ISO II* or Min. 2-inch H-Shield	*CD Fasteners and Plates* at a rate of 1 fastener per 4-ft^2	Min. 1/2-inch Structodek High Density Fiberboard or Min. 3/4-inch FescoBoard	*Hot Asphalt*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**
C-AM-2	Min. 1.5-inch *ISO II* or Min. 2-inch H-Shield	*CD Fasteners and Plates* at a rate of 1 fastener per 4-ft^2	Min. 1/2-inch DensDeck Prime or SECUROCK	*Hot Asphalt*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**
C-AM-3	Min. 1.5-inch *Insulation*	Simultaneously secured with top insulation	*SECUROCK*	*CD Fasteners & Plates* at a rate of 1 fastener per 2 ft^2	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**
C-AM-4	Min. 1.5-inch *Insulation*	Simultaneously secured with top insulation	*SECUROCK*	*CD Fasteners & Plates* at a rate of 1 fastener per 2 ft^2	*CA APP Base*	OPTIONAL *CA APP Ply*	*CA APP Cap*	**-45 (Lim. 7)**

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Assemblies with Adhered Membranes over Fastened Insulation over *Concrete Deck* (New, Existing, or *Recover*)								
System No.	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	*MDP* (psf)
C-AM-5	Min. 2-inch *ISO IV*	*CD Fasteners and Plates* at a rate of 1 fastener per 1.45-ft^2	Min. 1/2-inch DensDeck Prime or SECUROCK	*CR-20* ribbons spaced 6-inch o.c.	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-52.5 (Lim. 7)**
C-AM-6	Min. 2-inch *ISO IV*	*CD Fasteners and Plates* at a rate of 1 fastener per 1.45-ft^2	Min. 1/2-inch DensDeck Prime or SECUROCK	*OB500* ribbons spaced 6-inch o.c.	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-60 (Lim. 7)**
C-AM-7	Min. 2-inch AC Foam-II or Multi-Max FA3	*CD Fasteners and Plates* (not Dekfast) at a rate of 1 fastener per 2-ft^2	Min. 3/8-inch SECUROCK	*CR-20* or *OB500* ribbons spaced 12-inch o.c.	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-60 (Lim. 7)**
C-AM-8	Min. 1.5-inch *Insulation*	Simultaneously secured with top insulation	Min. 0.5-inch SECUROCK	*CD Fasteners & Plates* at a rate of 1 fastener per 1.33 ft^2	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-60 (Lim. 7)**
C-AM-9	Min. 1.5-inch *Insulation*	Simultaneously secured with top insulation	Min. 0.5-inch SECUROCK	*CD Fasteners & Plates* at a rate of 1 fastener per 1.33 ft^2	*CA APP Base*	OPTIONAL *CA APP Ply*	*CA APP Cap*	**-60 (Lim. 7)**
C-AM-10	Min. 2-inch *ISO III*	*CD Fasteners and Plates* at a rate of 1 fastener per 1.6-ft^2	Min. 1/2-inch Structodek High Density Fiberboard or Min. 3/4-inch FescoBoard	*Hot Asphalt*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-67.5 (Lim. 7)**
C-AM-11	Min. 2-inch *ISO III*	*CD Fasteners and Plates* at a rate of 1 fastener per 1.6-ft^2	*DensDeck Prime* or *SECUROCK*	*Hot Asphalt*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-67.5 (Lim. 7)**
C-AM-12	Min. 1.5-inch *Insulation*	Simultaneously secured with top insulation	Min. 0.5-inch SECUROCK	*CD Fasteners & Plates* at a rate of 1 fastener per 1 ft^2	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-67.5 (Lim. 7)**
C-AM-13	Min. 1.5-inch *Insulation*	Simultaneously secured with top insulation	Min. 0.5-inch SECUROCK	*CD Fasteners & Plates* at a rate of 1 fastener per 1 ft^2	*CA APP Base*	OPTIONAL *CA APP Ply*	*CA APP Cap*	**-67.5 (Lim. 7)**
C-AM-14	Min. 2-inch *ISO IV*	*CD Fasteners and Plates* at a rate of 1 fastener per 1.45-ft^2	Min. 3/4-inch FescoBoard	*Hot Asphalt*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-75 (Lim. 7)**

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Mechanically Fastened Assemblies over *Concrete Deck* (New, Existing, or *Recover*)							
System No.	Insulation	Insulation Attachment	Base Sheet	Base Sheet Attachment	Ply Sheet	Cap Sheet	*MDP* (psf)
C-M-1	Min. 1.5-inch *Insulation*	*Preliminarily Secured*	DuraFlex 30 SBS Base or USP Base Sheet	*SD Fasteners and Plates* (not Dekfast) at 12-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two (2) equally spaced, staggered center rows	*HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**
C-M-2	Min. 1.5-inch *Insulation*	*Preliminarily Secured*	DuraFlex 30 SBS Base or USP Base Sheet	*SD Fasteners and Plates* (not Dekfast) at 6-inch o.c. in the min. 4-inch lap and 6-inch o.c. in two (2) equally spaced, staggered center rows	*HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-135 (Lim. 7)**

Assemblies with All Layers Adhered over Cementitious Wood Fiber Deck (New or Existing)								
System No.	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	*MDP* (psf)
CW-A-1	Min. 1.5-inch ACFoam-II, ENRGY 3 or Multi-Max FA3	*OB500*	Min. 1/2-inch Structodek High Density Fiberboard	*OB500*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 9)**
CW-A-2	Min. 1.5-inch ACFoam-II, ENRGY 3 or Multi-Max FA3	*OB500*	Min. 1/2-inch SECUROCK, DensDeck or DensDeck Prime	*OB500*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 9)**
CW-A-3	Min. 1-inch *ISO VI*; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV	*CR-20*	Min. 1/2-inch Structodek High Density Fiberboard	*CR-20*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-52.5 (Lim. 9)**
CW-A-4	Min. 1-inch *ISO VI*; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV	*CR-20*	Min. 1/2-inch SECUROCK, DensDeck or DensDeck Prime	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-52.5 (Lim. 9)**

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Adhered Assemblies with Fastened Anchor Sheet or Base Insulation over Cementitious Wood Fiber Deck (New, Existing, or Recover)							
System No.	Anchor Sheet	Base Insulation	Top Insulation	Base Ply	Ply Sheet	Cap Sheet	*MDP* (psf)
CW-AM-1	(NEW OR EXISTING ONLY) USP Base Sheet or DuraFlex 30 SBS Base with Trufast Insuldeck Loc-Nails secured 9-inch o.c. in 4-inch side laps and 12-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL Min. 1.5-inch ACFoam-II, ENRGY 3 or Multi-Max FA3 adhered in *Hot Asphalt*	Min. 3/4-inch FescoBoard or Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation adhered in *Hot Asphalt*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-30 (Lim. 7)**
CW-AM-2	(NEW OR EXISTING ONLY) USP Base Sheet or DuraFlex 30 SBS Base with Trufast Insuldeck Loc-Nails secured 7.5-inch o.c. in 4-inch side laps and 7.5-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL Min. 1.5-inch ACFoam-II, ENRGY 3 or Multi-Max FA3 adhered in *Hot Asphalt*	Min. 3/4-inch FescoBoard or Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation adhered in *Hot Asphalt*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**
CW-AM-3	USP Base Sheet, USP Type IV, USP Type VI or DuraFlex 30 SBS Base with min. 1.8-inch embedment using PlyFast Double-Lock Nails or TrufastTwin Loc-Nail Assembled Fastener secured 9-inch o.c. in 4-inch side laps and 18-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL Min. 1.5-inch ACFoam-II, ENRGY 3 or Multi-Max FA3 adhered in *Hot Asphalt*	Min. 3/4-inch FescoBoard or Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation adhered in *Hot Asphalt*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**
CW-AM-4	USP Base Sheet or DuraFlex 30 SBS Base with min. 1.8-inch embedment using PlyFast Double-Lock Nails or Trufast Twin Loc-Nail Assembled Fastner secured 9-inch o.c. in 2-inch side laps and 18-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL Min. 1.5-inch ACFoam-II, ENRGY 3 or Multi-Max FA3 ribbon adhered in *OB500*	Min. 3/4-inch FescoBoard or Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation ribbon adhered in *OB500*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**

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Adhered Assemblies with Fastened Anchor Sheet or Base Insulation over Cementitious Wood Fiber Deck (New, Existing, or Recover)							
System No.	Anchor Sheet	Base Insulation	Top Insulation	Base Ply	Ply Sheet	Cap Sheet	*MDP* (psf)
CWAM-5	-	OPTIONAL *Insulation* simultaneously secured with top insulation	Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation secured using PlyFast Double-Lock Nails or TrufastTwin Loc-Nail Assembled Fastener secured at a rate of 1 per 2 ft^2 with min. 1-inch embedment	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**
CW-AM-6	-	OPTIONAL *Insulation* simultaneously secured with top insulation	*SECUROCK*, *DensDeck or DensDeck Prime* secured using PlyFast Double-Lock Nails or TrufastTwin Loc-Nail Assembled Fastener secured at a rate of 1 per 2 ft^2 with min. 1-inch embedment	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**

Mechanically Fastened Assemblies over Cementitious Wood Fiber Deck (New, Existing, or Recover)						
System No.	Insulation	Base Sheet	Attachment	Ply Sheet	Cap Sheet	*MDP* (psf)
CW-M-1	-	USP Base Sheet or DuraFlex 30 SBS Base	(NEW OR EXISTING ONLY) Trufast Insuldeck Loc-Nails secured 9-inch o.c. in 4-inch side laps and 12-inch o.c. in two (2), equally spaced, staggered center rows	*HA BUR Ply*	*TA APP Cap*	**-30 (Lim. 7)**
CW-M-2	-	USP Base Sheet or DuraFlex 30 SBS Base	(NEW OR EXISTNG ONLY) Trufast Insuldeck Loc-Nails secured 7.5-inch o.c. in 4-inch side laps and 7.5-inch o.c. in two (2), equally spaced, staggered center rows	*HA BUR Ply*	*TA APP Cap*	**-45 (Lim. 7)**
CW-M-3	-	USP Base Sheet or DuraFlex 30 SBS Base	Min. 1.8-inch embedment using PlyFast Double-Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 9-inch o.c. in 2-inch side laps and 18-inch o.c. in two (2), equally spaced, staggered center rows	*HA BUR Ply*	*TA APP Cap*	**-45 (Lim. 7)**

Assemblies with All Layers Adhered over Gypsum Deck (Existing)								
System No.	Base Insulation	Base Insulation Attachment	Cover Board	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	*MDP (psf)*
G-A-1	Min. 1.5-inch Insulfoam VIII	*CR-20*	*SECUROCK*, *DensDeck or DensDeck Prime*	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-87.5 (Lim. 9)**

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Assemblies with All Layers Adhered over Gypsum Deck (Existing)								
System No.	Base Insulation	Base Insulation Attachment	Cover Board	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	*MDP (psf)*
G-A-2	Min. 2-inch Insulfoam I, Insulfoam II, Insulfoam VIII or Insulfoam IX	*OB500*	*SECUROCK, DensDeck* or *DensDeck Prime*	*OB500*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-120 (Lim. 9)**
G-A-3	OPTIONAL Min. 1.5-inch *ISO V*	*OB500*	Min. 1/2-inch Structodek High Density Fiberboard	*OB500*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-120 (Lim. 9)**
G-A-4	OPTIONAL Min. 1.5-inch ENRGY 3	*OB500*	*SECUROCK, DensDeck* or *DensDeck Prime*	*OB500*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-127.5 (Lim. 9)**
G-A-5	OPTIONAL Min. 1.5-inch ACFoam-II, H-Shield or ISO 95+ GL	*OB500*	*SECUROCK, DensDeck* or *DensDeck Prime*	*OB500*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-135 (Lim. 9)**
G-A-6	Min. 2-inch ACFoam-II, ENRGY 3 or H-Shield	*OB500*	*SECUROCK* or Min. 1/2-inch DensDeck Prime	*OB500*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-135 (Lim. 9)**
G-A-7	Min. 1.5-inch Insulfoam II	*CR-20*	*SECUROCK, DensDeck or DensDeck Prime*	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-180 (Lim. 9)**
G-A-8	Min. 1-inch *ISO VI*; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV	*CR-20*	Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation	*CR-20*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-180 (Lim. 9)**
G-A-9	Min. 1.5-inch *ISO VII*	*CR-20*	Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation	*CR-20*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-187.5 (Lim.9)**
G-A-10	Min. 1.5-inch Insulfoam IX	*CR-20*	*SECUROCK*	*CR-20*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-225 (Lim. 9)**
G-A-11	Min. 1.5-inch Insulfoam IX	*CR-20*	*SECUROCK*	*CR-20*	*TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-232.5 (Lim. 9)**
G-A-12	Min. 1.5-inch Insulfoam IX	*CR-20*	*DensDeck or DensDeck Prime*	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-240 (Lim. 9)**
G-A-13	Min. 1-inch *ISO VI*; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV	*CR-20*	*SECUROCK, DensDeck* or *DensDeck Prime*	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-240 (Lim. 9)**

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Assemblies with All Layers Adhered over Gypsum Deck (Existing)								
System No.	Base Insulation	Base Insulation Attachment	Cover Board	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	*MDP (psf)*
G-A-14	*SECUROCK, DensDeck* or *DensDeck Prime*	*CR-20*	-	-	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-245 (Lim. 9)**
G-A-15	Min. 1.5-inch *ISO VII*	*CR-20*	*SECUROCK, DensDeck* or *DensDeck Prime*	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-257.5 (Lim. 9)**

Assemblies with Adhered Membranes over Insulated Gypsum Deck (Existing)							
System No.	Anchor Sheet	Base Insulation	Top Insulation	Base Ply	Ply Sheet	Cap Sheet	*MDP* (psf)
G-AM-1	USP Base Sheet, USP Type IV, USP Type VI or DuraFlex 30 SBS Base with PlyFast 75 or PlyFast 90 Base Ply Fastener or Trufast FM-75 or FM-90 Base Sheet Fastener secured 9-inch o.c. in 4-inch side laps and 18-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL Min. 1.5-inch ACFoam-II, ENRGY 3 or Multi-Max FA3 adhered in *Hot Asphalt*	Min. 1/2-inch FescoBoard or Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation adhered in *Hot Asphalt*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**
G-AM-2	USP Base Sheet, USP Type IV, USP Type VI or DuraFlex 30 SBS Base with PlyFast 75 or PlyFast 90 Base Ply Fastener or Trufast FM-75 or FM-90 Base Sheet Fastener secured 7.5-inch o.c. in 4-inch side laps and 7.5-inch o.c. in one(1) center row	OPTIONAL Min. 1.5-inch ACFoam-II, ENRGY 3 or Multi-Max FA3 adhered in *Hot Asphalt*	Min. 1/2-inch FescoBoard or Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation adhered in *Hot Asphalt*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**
G-AM-3	USP Base Sheet, USP Type IV, USP Type VI or DuraFlex 30 SBS Base with PlyFast Double-Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 9-inch o.c. in 4-inch side laps and 18-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL Min. 1.5-inch ACFoam-II, ENRGY 3 or Multi-Max FA3 adhered in *Hot Asphalt*	Min. 1/2-inch FescoBoard or Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation adhered in *Hot Asphalt*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**
G-AM-4	USP Base Sheet or DuraFlex 30 SBS Base with PlyFast Double-Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 9-inch o.c. in 2-inch side laps and 18-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL Min. 1.5-inch ACFoam-II, ENRGY 3 or Multi-Max FA3 ribbon adhered in *OB500*	Min. 3/4-inch FescoBoard or Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation ribbon adhered in *OB500*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**

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Assemblies with Adhered Membranes over Insulated Gypsum Deck (Existing)							
System No.	Anchor Sheet	Base Insulation	Top Insulation	Base Ply	Ply Sheet	Cap Sheet	*MDP* (psf)
G-AM-5	-	OPTIONAL *Insulation* simultaneously secured with top insulation	Min. 1/2-inch Structodek High Density Fiberboard Roof Insulation using PlyFast Double-Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured at a rate of 1 per 2 ft^2 with min. 1-inch embedment	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**
G-AM-6	-	OPTIONAL *Insulation* simultaneously secured with top insulation	*SECUROCK*, *DensDeck or DensDeck Prime* using PlyFast Double-Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured at a rate of 1 per 2 ft^2 with min. 1-inch embedment	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**

Mechanically Fastened Assemblies over Gypsum Deck (New or Existing)						
System No.	Insulation	Base Sheet	Base Sheet Attachment	Ply Sheet	Cap Sheet	*MDP* (psf)
G-M-1	-	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast 75 or PlyFast 90 Base Ply Fastener or Trufast FM-75 or FM-90 Base Sheet Fastener secured 9-inch o.c. in 4-inch side laps and 18-inch o.c. in two (2), equally spaced, staggered center rows	*HA BUR Ply*	*TA APP Cap*	**-45 (Lim. 7)**
G-M-2	-	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast 75 or PlyFast 90 Base Ply Fastener or Trufast FM-75 or FM-90 Base Sheet Fastener secured 7.5-inch o.c. in 4-inch side laps and 7.5-inch o.c. in two (2), equally spaced, staggered center rows	*HA BUR Ply*	*TA APP Cap*	**-45 (Lim. 7)**
G-M-3	-	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast Double-Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 9-inch o.c. in 2-inch side laps and 18-inch o.c. in two (2), equally spaced, staggered center rows	*HA BUR Ply*	*TA APP Cap*	**-45 (Lim. 7)**

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Lightweight Concrete Assemblies with All Layers Adhered over *Concrete Deck* (New or Existing)							
System No.	LWIC	Base Insulation	Cover Board	Base Ply	Ply Sheet	Cap Sheet	*MDP (psf)*
LC-A-1	Min. 200 psi Elastizell, Celcore or Mearlcrete	Min. 1.5-inch Insulfoam VIII ribbon adhered with *CR-20*	*SECUROCK*, *DensDeck or DensDeck Prime* ribbon adhered in *CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-87.5 (Lim. 9)**
LC-A-2	Min. 200 psi Elastizell	Min. 2-inch Insulfoam I, Insulfoam II, Insulfoam VIII or Insulfoam IX ribbon adhered in *OB500*	*SECUROCK, DensDeck* or *DensDeck Prime* ribbon adhered in *OB500*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-120 (Lim. 9)**
LC-A-3	Min. 200 psi Elastizell	OPTIONAL *ISO V* ribbon adhered in *OB500*	Min. 1/2-inch Structodek High Density Fiberboard ribbon adhered in *OB500*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-120 (Lim. 9)**
LC-A-4	Min. 200 psi Elastizell	OPTIONAL Min. 1.5-inch ENRGY 3 ribbon adhered in *OB500*	*SECUROCK, DensDeck* or *DensDeck Prime* ribbon adhered in *OB500*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-127.5 (Lim. 9)**
LC-A-5	Min. 200 psi Elastizell	OPTIONAL Min. 1.5-inch ACFoam-II, H-Shield or ISO 95+ GL ribbon adhered in *OB500*	*SECUROCK, DensDeck* or *DensDeck Prime* ribbon adhered in *OB500*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-150 (Lim. 9)**
LC-A-6	Min. 200 psi Elastizell, Celcore or Mearlcrete	Min. 1.5-inch Insulfoam II ribbon adhered with *CR-20*	*SECUROCK, DensDeck or DensDeck Prime* ribbon adhered in *CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-180 (Lim. 9)**
LC-A-7	Min. 200 psi Elastizell	Min. 1.5-inch Insulfoam IX or OPTIONAL Min. 1-inch *ISO VI*; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV ribbon adhered with *CR-20*	*SECUROCK, DensDeck or DensDeck Prime* ribbon adhered in *CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-180 (Lim. 9)**
LC-A-8	Min. 200 psi Elastizell	Min. 2-inch ACFoam-II, ENRGY 3 or H-Shield ribbon adhered in *OB500*	Min. 1/2-inch DensDeck Prime ribbon adhered in *OB500*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-202.5 (Lim. 9)**
LC-A-9	Min. 200 psi Celcore	Min. 1.5-inch Insulfoam IX or OPTIONAL Min. 1-inch *ISO VI*; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV ribbon adhered with *CR-20*	*SECUROCK, DensDeck or DensDeck Prime* ribbon adhered in *CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-222.5 (Lim. 9)**
LC-A-10	Min. 200 psi Mearlcrete	Min. 1.5-inch Insulfoam IX ribbon adhered with *CR-20*	*SECUROCK* ribbon adhered in *CR-20*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-225 (Lim. 9)**

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Lightweight Concrete Assemblies with All Layers Adhered over *Concrete Deck* (New or Existing)							
System No.	LWIC	Base Insulation	Cover Board	Base Ply	Ply Sheet	Cap Sheet	*MDP (psf)*
LC-A-11	Min. 200 psi Elastizell	Min. 2-inch ACFoam-II, ENRGY 3 or H-Shield ribbon adhered in *OB500*	*SECUROCK* ribbon adhered in *OB500*	*TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-225 (Lim. 9)**
LC-A-12	Min. 200 psi Mearlcrete	Min. 1.5-inch Insulfoam IX ribbon adhered with *CR-20*	*SECUROCK* ribbon adhered in *CR-20*	*TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-232.5 (Lim. 9)**
LC-A-13	Min. 200 psi Mearlcrete	Min. 1.5-inch Insulfoam IX ribbon adhered with *CR-20*	*DensDeck or DensDeck Prime* ribbon adhered in *CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-240 (Lim. 9)**
LC-A-14	Min. 200 psi Mearlcrete	OPTIONAL Min. 1-inch *ISO VI*; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV ribbon adhered with *CR-20*	*SECUROCK, DensDeck* or *DensDeck Prime* ribbon adhered in *CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-240 (Lim. 9)**

Mechanically Fastened Lightweight Concrete Assemblies over *Concrete Deck* (New or Existing)						
System No.	LWIC	Base Sheet	Base Sheet Attachment	Ply Sheet	Cap Sheet	*MDP (psf)*
LC-M-1	Min. 200 psi Range II Elastizell	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast 90 Base Ply Fastener or Trufast FM-90 Assembled Base Sheet Fastener or Min. 1.8-inch PlyFast Double Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 7.5-inch o.c. in the laps and 7.5-inch o.c. in two (2), equally spaced, staggered center rows	*HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-30 (Lim. 7)**
LC-M-2	Min. 225 psi Celcore MF	USP Base Sheet or DuraFlex 30 SBS Base	Min. 1.8-inch PlyFast Double-Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 9-inch o.c. in the laps and 18-inch o.c. in two (2), equally spaced, staggered center rows	*HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**
LC-M-3	Min. 200 psi Elastizell	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast 90 Base Ply Fastener or Trufast FM-90 Assembled Base Sheet Fastener or Min. 1.8-inch PlyFast Double Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 7-inch o.c. in the laps and 7-inch o.c. in two (2), equally spaced, staggered center rows	*HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**
LC-M-4	Min. 300 psi Mearlcrete	USP Base Sheet or DuraFlex 30 SBS Base	Trufast FM-90 Assembled BaseSheet Fastener secured 7-inch o.c. in the laps and 7-inch o.c. in two (2), equally spaced, staggered center rows	*HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-52.5 (Lim. 7)**

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Mechanically Fastened Lightweight Concrete Assemblies over *Concrete Deck* (New or Existing)						
System No.	LWIC	Base Sheet	Base Sheet Attachment	Ply Sheet	Cap Sheet	*MDP (psf)*
LC-M-5	Min. 300 psi Cellular Lightweight Concrete (MCRF ≥ 88 lbf using 1.8-inch Trufast Twin Loc-Nails)	USP Base Sheet or DuraFlex 30 SBS Base	Min.1.8-inch Ply Fast Double-Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 9-inch o.c. in the laps and 9-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-60 (Lim. 7)**
LC-M-6	Min. 300 psi Celcore MF with HS Rheology Admixture	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast 90 Base Ply Fastener or Trufast FM-90 Assembled Base Sheet Fastener secured 9-inch o.c. in the laps and 12-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-60 (Lim. 7)**
LC-M-7	Min. 350 psi Range II Elastizell	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast 90 Base Ply Fastener or Trufast FM-90 Assembled Base Sheet Fastener secured 6-inch o.c. in the laps and 6-inch o.c. in three (3), equally spaced, staggered center rows	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-67.5 (Lim. 7)**

Mechanically Fastened Lightweight Concrete Assemblies over *Steel Deck* (New or Existing)							
System No.	Deck Detail	LWIC	Base Sheet	Base Sheet Attachment	Ply Sheet	Cap Sheet	*MDP (psf)*
LS-M-1	*G40, L5*	Min. 200 psi Range II Elastizell	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast 90 Base Sheet Fastener or Trufast FM-90 Assembled Base Sheet Fastener or Min. 1.8-inch PlyFast Double Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 7.5-inch o.c. in the laps and 7.5-inch o.c. in two (2), equally spaced, staggered center rows	*HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-30 (Lim. 7)**
LS-M-2	*G40, L5*	Min. 225 psi Celcore MF	USP Base Sheet or DuraFlex 30 SBS Base	Min. 1.8-inch PlyFast Double-Lock Nails or Twin Loc-Nails secured 9-inch o.c. in the laps and 18-inch o.c. in two (2), equally spaced, staggered center rows	*HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**
LS-M-3	*G40, L5*	Min. 200 psi Elastizell	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast 90 Base Sheet Fastener or Trufast FM-90 Assembled Base Sheet Fastener or Min. 1.8-inch PlyFast Double Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 7-inch o.c. in the laps and 7-inch o.c. in two (2), equally spaced, staggered center rows	*HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**
LS-M-4	*G40, L5*	Min. 300 psi Mearlcrete	USP Base Sheet or DuraFlex 30 SBS Base	Trufast FM-90 Assembled Base Sheet Fastener secured 7-inch o.c. in the laps and 7-inch o.c. in two (2), equally spaced, staggered center rows	*HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-52.5 (Lim. 7)**

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Mechanically Fastened Lightweight Concrete Assemblies over *Steel Deck* (New or Existing)							
System No.	Deck Detail	LWIC	Base Sheet	Base Sheet Attachment	Ply Sheet	Cap Sheet	*MDP (psf)*
LS-M-5	*G40, L5*	Min. 300 psi Cellular Lightweight Concrete (MCRF ≥ 88 lbf using 1.8-inch Twin Loc-Nails)	USP Base Sheet or DuraFlex 30 SBS Base	Min.1.8-inch Ply Fast Double-Lock Nails or Trufast Twin Loc-Nail Assembled Fastener secured 9-inch o.c. in the laps and 9-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-60 (Lim. 7)**
LS-M-6	*G40, L5*	Min. 300 psi Celcore MF with HS Rheology Admixture	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast 90 Base Ply Fastener or Trufast FM-90 Assembled Base Sheet Fastener secured 9-inch o.c. in the laps and 12-inch o.c. in two (2), equally spaced, staggered center rows	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-60 (Lim. 7)**
LS-M-7	*G40, L5*	Min. 350 psi Range II Elastizell	USP Base Sheet or DuraFlex 30 SBS Base	PlyFast 90 Base Ply Fastener or Trufast FM-90 Assembled Base Sheet Fastener secured 6-inch o.c. in the laps and 6-inch o.c. in three (3), equally spaced, staggered center rows	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-67.5 (Lim. 7)**

***Recover* Assemblies with All Layers Adhered**									
System No.	Existing Roof	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	*MDP (psf)*
R-A-1	Smooth surface BUR or sand or granule surfaced modified bitumen	Min. 1.5-inch Insulfoam VIII	*CR-20*	*SECUROCK, DensDeck or DensDeck Prime*	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-87.5 (Lim. 9)**
R-A-2	Asphalt BUR	Min. 2-inch Insulfoam I, Insulfoam II, Insulfoam VIII or Insulfoam IX	*OB500*	*DensDeck, DensDeck Prime* or *SECUROCK*	*OB500*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-120 (Lim. 9)**
R-A-3	Asphalt BUR	OPTIONAL Min. 1.5-inch *ISO V*	*OB500*	Min. 1/2-inch Structodek High Density Fiberboard	*OB500*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-120 (Lim. 9)**
R-A-4	Asphalt BUR	OPTIONAL Min. 1.5-inch *ISO V*	*OB500*	*DensDeck, DensDeck Prime* or *SECUROCK*	*OB500*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-120 (Lim. 9)**
R-A-5	Smooth surface BUR or sand or granule surfaced modified bitumen	Min. 1.5-inch Insulfoam II	*CR-20*	*SECUROCK, DensDeck or DensDeck Prime*	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-180 (Lim. 9)**

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***Recover* Assemblies with All Layers Adhered**									
System No.	Existing Roof	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	*MDP (psf)*
R-A-6	Smooth surface BUR or sand or granule surfaced modified bitumen	Min. 1-inch *ISO VI*; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV	*CR-20*	Min. 1/2-inch Structodek High Density Fiberboard	*CR-20*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-180 (Lim. 9)**
R-A-7	Smooth surface BUR or sand or granule surfaced modified bitumen	Min. 1.5-inch *ISO VII*	*CR-20*	Min. 1/2-inch Structodek High Density Fiberboard	*CR-20*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-187.5 (Lim. 9)**
R-A-8	Sand surfaced modified bitumen	Min. 1.5-inch Insulfoam IX	*CR-20*	*DensDeck or DensDeck Prime*	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-222.5 (Lim. 9)**
R-A-9	Smooth surface BUR or sand or granule surfaced modified bitumen	Min. 1.5-inch Insulfoam IX	*CR-20*	*SECUROCK*	*CR-20*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-222.5 (Lim. 9)**
R-A-10	Sand surfaced modified bitumen	Min. 1.5-inch Insulfoam IX	*CR-20*	*SECUROCK*	*CR-20*	*TA APP Base*	OPTIONAL *TA APP Ply*	*TA APP Cap*	**-222.5 (Lim. 9)**
R-A-11	Sand surfaced modified bitumen	Min. 1-inch *ISO VI*; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV	*CR-20*	*DensDeck, DensDeck Prime* or *SECUROCK*	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-222.5 (Lim. 9)**
R-A-12	Sand surfaced modified bitumen	*DensDeck, DensDeck Prime* or *SECUROCK*	*CR-20*	-	-	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-222.5 (Lim. 9)**
R-A-13	Sand surfaced modified bitumen	Min. 1.5-inch *ISO VII*	*CR-20*	*DensDeck, DensDeck Prime* or *SECUROCK*	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-222.5 (Lim. 9)**
R-A-14	Smooth surface BUR or granule surfaced modified bitumen	Min. 1.5-inch Insulfoam IX	*CR-20*	*SECUROCK*	*CR-20*	*TA APP Base*	OPTIONAL *TA APP Ply*	*TA APP Cap*	**-232.5 (Lim. 9)**

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***Recover* Assemblies with All Layers Adhered**									
System No.	Existing Roof	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	*MDP (psf)*
R-A-15	Smooth surface BUR or granule surfaced modified bitumen	Min. 1.5-inch Insulfoam IX	*CR-20*	*DensDeck or DensDeck Prime*	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-240 (Lim. 9)**
R-A-16	Smooth surface BUR or granule surfaced modified bitumen	Min. 1-inch *ISO VI*; Min. 1.3-inch ACFoam-III; Min. 1.5-inch Ultra-Max or Min. 2-inch ACFoam IV	*CR-20*	*DensDeck, DensDeck Prime* or *SECUROCK*	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-240 (Lim. 9)**
R-A-17	Smooth surface BUR or granule surfaced modified bitumen	*DensDeck, DensDeck Prime* or *SECUROCK*	*CR-20*	-	-	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-245 (Lim. 9)**
R-A-18	Smooth surface BUR	Min. 1.5-inch *ISO VII*	*CR-20*	*DensDeck, DensDeck Prime* or *SECUROCK*	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-262.5 (Lim. 9)**
R-A-19	Granule surfaced modified bitumen	Min. 1.5-inch *ISO VII*	*CR-20*	*DensDeck, DensDeck Prime* or *SECUROCK*	*CR-20*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-270 (Lim. 9)**
R-A-20	Smooth or granule surface APP, Granule surface SBS or Smooth or granule surface asphalt-BUR	-	-	-	-	OPTIONAL *TA APP Base*	-	*TA APP Cap*	**-877.5 (Lim. 9)**

Assemblies with Adhered Membranes over Fastened Insulation over *Steel Deck* (New, Existing, or *Recover*)									
System No.	*Deck Detail*	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	*MDP* (psf)
S-AM-1	*G40*	Min. 1.5-inch *ISO II* or Min. 2-inch H-Shield	*SD Fasteners and Plates* at a rate of 1 fastener per 4-ft^2	Min. 1/2-inch Structodek High Density Fiberboard or Min. 3/4-inch FescoBoard	*Hot Asphalt*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**

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Assemblies with Adhered Membranes over Fastened Insulation over *Steel Deck* (New, Existing, or *Recover*)									
System No.	*Deck Detail*	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	*MDP* (psf)
S-AM-2	*G40*	Min. 1.5-inch *ISO II* or Min. 2-inch H-Shield	*SD Fasteners and Plates* at a rate of 1 fastener per 4-ft^2	Min. 1/2-inch DensDeck Prime or SECUROCK	*Hot Asphalt*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**
S-AM-3	*G40*	Min. 1.5-inch *Insulation*	Simultaneously secured with top insulation	*SECUROCK*	*SD Fasteners & Plates* at a rate of 1 fastener per 2 ft^2	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**
S-AM-4	*G40*	Min. 1.5-inch *Insulation*	Simultaneously secured with top insulation	*SECUROCK*	*SD Fasteners & Plates* at a rate of 1 fastener per 2 ft^2	*CA APP Base*	OPTIONAL *CA APP Ply*	*CA APP Cap*	**-45 (Lim. 7)**
S-AM-5	*G40*	Min. 2-inch *ISO IV*	*SD Fasteners and Plates* at a rate of 1 fastener per 1.45-ft^2	Min. 1/2-inch DensDeck Prime or SECUROCK	*CR-20* ribbons spaced 6-inch o.c.	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-52.5 (Lim. 7)**
S-AM-6	*G40*	Min. 2-inch *ISO IV*	*SD Fasteners and Plates* at a rate of 1 fastener per 1.45-ft^2	Min. 1/2-inch DensDeck Prime or SECUROCK	*OB500* ribbons spaced 6-inch o.c.	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-60 (Lim. 7)**
S-AM-7	*G40*	Min. 2-inch AC Foam-II or Multi-Max FA3	*SD Fasteners and Plates* (not Dekfast) at a rate of 1 fastener per 2-ft^2	Min. 3/8-inch SECUROCK	*CR-20* or *OB500* ribbons spaced 12-inch o.c.	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-60 (Lim. 7)**
S-AM-8	*G40*	Min. 1.5-inch *Insulation*	Simultaneously secured with top insulation	Min. 1/2-inch SECUROCK	*SD Fasteners & Plates* at a rate of 1 fastener per 1.33 ft^2	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-60 (Lim. 7)**
S-AM-9	*G40*	Min. 1.5-inch *Insulation*	Simultaneously secured with top insulation	Min. 1/2-inch SECUROCK	*SD Fasteners & Plates* at a rate of 1 fastener per 1.33 ft^2	*CA APP Base*	OPTIONAL *CA APP Ply*	*CA APP Cap*	**-60 (Lim. 7)**
S-AM-10	*G40*	Min. 2-inch *ISO III*	*SD Fasteners and Plates* at a rate of 1 fastener per 1.6-ft^2	Min. 1/2-inch Structodek High Density Fiberboard or Min. 3/4-inch FescoBoard	*Hot Asphalt*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-67.5 (Lim. 7)**
S-AM-11	*G40*	Min. 2-inch *ISO III*	*SD Fasteners and Plates* at a rate of 1 fastener per 1.6-ft^2	*DensDeck Prime* or *SECUROCK*	*Hot Asphalt*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-67.5 (Lim. 7)**
S-AM-12	*G40*	Min. 1.5-inch *Insulation*	Simultaneously secured with top insulation	Min. 1/2-inch SECUROCK	*SD Fasteners & Plates* at a rate of 1 fastener per 1 ft^2	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-67.5 (Lim. 7)**
S-AM-13	*G40*	Min. 1.5-inch *Insulation*	Simultaneously secured with top insulation	Min. 1/2-inch SECUROCK	*SD Fasteners & Plates* at a rate of 1 fastener per 1 ft^2	*CA APP Base*	OPTIONAL *CA APP Ply*	*CA APP Cap*	**-67.5 (Lim. 7)**

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Assemblies with Adhered Membranes over Fastened Insulation over *Steel Deck* (New, Existing, or *Recover*)									
System No.	*Deck Detail*	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Base Ply	Ply Sheet	Cap Sheet	*MDP* (psf)
S-AM-14	*G40*	Min. 2-inch *ISO IV*	*SD Fasteners and Plates* at a rate of 1 fastener per 1.45-ft^2	Min. 3/4-inch FescoBoard	*Hot Asphalt*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-75 (Lim. 7)**

Mechanically Fastened Assemblies over *Steel Deck* (New, Existing, or *Recover*)							
System No.	*Deck Detail*	Insulation	Base Sheet	Base Sheet Attachment	Ply Sheet	Cap Sheet	*MDP* (psf)
S-M-1	*G40*	Min. 1.5-inch *Insulation Preliminarily Secured*	DuraFlex 30 SBS Base or USP Base Sheet	*SD Fasteners and Plates* (not Dekfast) 12-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two (2) equally spaced, staggered center rows	*HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**
S-M-2	*G40*	Min. 1.5-inch *Insulation Preliminarily Secured*	DuraFlex 30 SBS Base or USP Base Sheet	*SD Fasteners and Plates* (not Dekfast) 6-inch o.c. in the min. 4-inch lap and 6-inch o.c. in two (2) equally spaced, staggered center rows	*HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-135 (Lim. 7)**

Adhered Assemblies with Fastened Anchor Sheet or Base Insulation over *Wood Deck* (New, Existing, or *Recover*)								
System No.	*Deck Detail*	Anchor Sheet	Base Insulation	Top Insulation	Base Sheet	Ply Sheet	Cap Sheet	*MDP* (psf)
W-AM-1	*T15/32O L24*	-	*Insulation* through fastened with top insulation	*DensDeck Prime* or *SECUROCK* secured with *WD Fasteners and Plates* (PlyFast and TruFast only) at a rate of 1 fastener per 1.33 ft^2	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-30 (Lim. 7)**
W-AM-2	*T15/32O L24*	-	Min. 1.5-inch *ISO I* secured with *WD HD Fasteners & Plates* at a rate of 1 fastener per 1.33 ft^2	Min. 1/2-inch Structodek High Density Fiberboard or Min. 3/4-inch FescoBoard fully adhered in *Hot Asphalt*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**
W-AM-3	*T15/32O L24*	-	Min. 1.5-inch *ISO I* secured with *WD HD Fasteners & Plates* at a rate of 1 fastener per 1.33 ft^2	Min. 1/2-inch SECUROCK or DensDeck Prime fully adhered in *Hot Asphalt*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**

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Adhered Assemblies with Fastened Anchor Sheet or Base Insulation over *Wood Deck* (New, Existing, or *Recover*)								
System No.	*Deck Detail*	Anchor Sheet	Base Insulation	Top Insulation	Base Sheet	Ply Sheet	Cap Sheet	*MDP* (psf)
W-AM-4	*T15/32O L24*	-	Min. 1.5-inch *ISO I* secured with *WD HD Fasteners & Plates* at a rate of 1 fastener per 1 ft^2	Min. 1/2-inch Structodek High Density Fiberboard or Min. 3/4-inch FescoBoard fully adhered in *Hot Asphalt*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-52.5 (Lim. 7)**
W-AM-5	*T15/32O L24*	-	Min. 1.5-inch *ISO I* secured with *WD HD Fasteners & Plates* at a rate of 1 fastener per 1 ft^2	Min. 1/2-inch SECUROCK or DensDeck Prime fully adhered in *Hot Asphalt*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-52.5 (Lim. 7)**
W-AM-6	*T15/32P L24*	-	Min. 1.5-inch *ISO I* secured with *WD HD Fasteners & Plates* at a rate of 1 fastener per 1.33 ft^2	Min. 1/2-inch Structodek High Density Fiberboard or Min. 3/4-inch FescoBoard fully adhered in *Hot Asphalt*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-52.5 (Lim. 7)**
W-AM-7	*T15/32P L24*	-	Min. 1.5-inch *ISO I* secured with *WD HD Fasteners & Plates* at a rate of 1 fastener per 1.33 ft^2	Min. 1/2-inch SECUROCK or DensDeck Prime fully adhered in *Hot Asphalt*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-52.5 (Lim. 7)**
W-AM-8	*T15/32O L24*	-	*Insulation* through fastened with top insulation	*DensDeck Prime* or *SECUROCK* secured with OMG 3" Galvalume Steel Plate with OMG Heavy Duty fastener at a rate of 1 fastener per 1 ft^2	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-52.5 (Lim. 7)**
W-AM-9	*T15/32P L24*	-	*Insulation* through fastened with top insulation	*DensDeck Prime* or *SECUROCK* secured with *WD Fasteners and Plates* (PlyFast and TruFast only) at a rate of 1 fastener per 1.33 ft^2	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-52.5 (Lim. 7)**
W-AM-10	*T15/32P L24*	-	*Insulation* through fastened with top insulation	*DensDeck Prime* or *SECUROCK* secured with *WD Fasteners and Plates* (PlyFast and TruFast only) at a rate of 1 fastener per 1.33 ft^2	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-60 (Lim. 7)**

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Adhered Assemblies with Fastened Anchor Sheet or Base Insulation over *Wood Deck* (New, Existing, or *Recover*)								
System No.	*Deck Detail*	Anchor Sheet	Base Insulation	Top Insulation	Base Sheet	Ply Sheet	Cap Sheet	*MDP* (psf)
W-AM-11	*T15/32P L24*	-	Min. 1.5-inch *ISO I* secured with *WD HD Fasteners & Plates* at a rate of 1 fastener per 1.33 ft^2	Min. 1/2-inch Structodek High Density Fiberboard or Min. 3/4-inch FescoBoard fully adhered in *Hot Asphalt*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-60 (Lim. 7)**
W-AM-12	*T15/32P L24*	-	Min. 1.5-inch *ISO I* secured with *WD HD Fasteners & Plates* at a rate of 1 fastener per 1.33 ft^2	Min. 1/2-inch SECUROCK or DensDeck Prime fully adhered in *Hot Asphalt*	*HA BUR Base* or *TA APP Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-60 (Lim. 7)**
W-AM-13	*T15/32P L24*	USP Base Sheet secured with *WD Fasteners and Plates* (PlyFast and TruFast only) at 6-inch o.c. in the lap and 12-inch o.c. in two (2) equally spaced, staggered center rows	OPTIONAL Min. 1.5-inch *ISO* fully adhered in *Hot Asphalt*	Min. 1/2-inch Structodek High Density Fiberboard, SECUROCK or DensDeck Prime or Min. 3/4-inch FescoBoard fully adhered in *Hot Asphalt*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-75 (Lim. 7)**
W-AM-14	*T15/32P L24*	*MA Base* secured with *WD Fasteners and Plates* (OMG only) at 6-inch o.c. in the lap and 12-inch o.c. in two (2) equally spaced, staggered center rows	OPTIONAL Min. 1.5-inch *ISO* fully adhered in *Hot Asphalt*	Min. 1/2-inch Structodek High Density Fiberboard, SECUROCK or DensDeck Prime or Min. 3/4-inch FescoBoard fully adhered in *Hot Asphalt*	*HA BUR Base*	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-75 (Lim. 7)**

Mechanically Fastened Assemblies over *Wood Deck* (New or Existing)							
System No.	*Deck Detail*	Insulation	Base Sheet	Base Sheet Attachment	Ply Sheet	Cap Sheet	*MDP* (psf)
W-M-1	*T15/32P* or *T15/32O, L24*	-	*MA Base*	Min. 1.25-inch Steel Round Jevcaps at 9-inch o.c. in the lap and two (2) equally spaced, staggered center rows	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-22.5 (Lim. 7)**
W-M-2	*T15/32P* or *T15/32O, L24*	-	*MA Base*	Min. 1.25-inch Steel Round Jevcaps at 9-inch o.c. in the lap and three (3) equally spaced, staggered center rows	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-30 (Lim. 7)**
W-M-3	*T15/32P* or *T15/32O, L24*	-	*MA Base*	Min. 1.25-inch Jevcap Hurricane Capnails at 8-inch o.c. in the lap and three (3) equally spaced, staggered center rows	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**

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Mechanically Fastened Assemblies over *Wood Deck* (New or Existing)							
System No.	*Deck Detail*	Insulation	Base Sheet	Base Sheet Attachment	Ply Sheet	Cap Sheet	*MDP* (psf)
W-M-4	Min. 1x6 wood plank	-	*MA Base*	Min. 1.25-inch Steel Round Jevcaps at 6-inch o.c. in the lap and two (2) equally spaced, staggered center rows	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-45 (Lim. 7)**
W-M-5	Min. 1x6 wood plank	-	*MA Base*	Min. 1.25-inch Steel Round Jevcaps at 6-inch o.c. in the lap and three (3) equally spaced, staggered center rows	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-52.5 (Lim. 7)**
W-M-6	*T19/32P L24*	-	*MA Base*	12 ga. annular ring shank nails and 32 ga., 1-5/8-inch diameter tin capsat 8-inch o.c. in the lap and three (3) equally spaced, staggered center rows	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-52.5 (Lim. 7)**
W-M-7	*T15/32P* or *T15/32O, L24*	-	*MA Base*	Min. 1.25-inch Jevcap Hurricane Capnails at 6-inch o.c. in the lap and three (3) equally spaced, staggered center rows	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-60 (Lim. 7)**
W-M-8	*T19/32P L24*	-	*MA Base*	12 ga. annular ring shank nails and 32 ga., 1-5/8-inch diameter tin caps at 8-inch o.c. in the lap and three (3) equally spaced, staggered center rows	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-60 (Lim. 7)**
W-M-9	*T19/32P L24*	-	*MA Base*	12 ga. annular ring shank nails and 32 ga., 1-5/8-inch diameter tin caps at 6-inch o.c. in the lap and three (3) equally spaced, staggered center rows	OPTIONAL *HA BUR Ply* or *TA APP Ply*	*TA APP Cap*	**-67.5 (Lim. 7)**

END OF REPORT

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