NEMO EVALUATION REPORT (NER)

ICP Construction, Inc.
150 Dascomb Road
Andover, MA 01810
(330) 753-4585

SUBJECT:	**APOC® Polyset® Commercial Roof Adhesive**
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.
CODE:	2026 Florida Building Code, 9th Edition 2023 Florida Building Code, 8th Edition
FBC JURISDICTION:	Non-HVHZ and HVHZ
NEMO CATEGORY:	Adhesives-Cements
FBC CATEGORY:	Roofing
FBC SUB-CATEGORY:	Cements-Adhesives-Coatings
CSI DIVISION:	07 00 00 Thermal and Moisture Protection
METHOD:	Method 2, Option A – Non-Codified Material, Evaluation by Evaluation Entity
COMPLIANCE STATEMENT:	**APOC® Polyset® Commercial Roof Adhesive**, as produced by **ICP Construction, Inc.**, has demonstrated compliance with 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 they acquire, a financial interest in any company manufacturing or distributing products it evaluates. ✓ NEMO CERT, LLC is not owned, operated or controlled by any company manufacturing or distributing products it evaluates. ✓ 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
2026 Florida Building Code, 9th Edition	104.11	Alternate materials	N/A
	1504.3.1	Wind resistance	FM 4474
	1504.3.1	Wind resistance	UL 1897
	TAS 110	Wind resistance	TAS 114(D)
2023 Florida Building Code, 8th Edition	104.11	Alternate materials	N/A
	1504.3.1	Wind resistance	FM 4474
	1504.3.1	Wind resistance	UL 1897
	TAS 110	Wind resistance	TAS 114(D)

2. PRODUCTS:

TABLE 1A: EVALUATED ADHESIVES

(NEMO Certified. Consult Directory of Certified Products for production location(s))

TRADE NAME	NOMINAL DIMENSIONS	DESCRIPTION
APOC® Polyset® Commercial Roof Adhesive	P12051: 7.5” cylinders - 15.5” w x 16” h x 10” d P12050: 12” cylinders - 12.9” w x 18.9” h x 12.6” d P22509: A-Side, P22507: B-Side: 14” w x 14” h x 34” d	Two-part, polyurethane foam adhesive for securement of insulations, thermal barriers, coverboards and fleece-backed membranes to acceptable substrates, supplied in disposable and refillable cylinders.
APOC® Polyset® Commercial Roof Adhesive (Bulk)	P60039: 15 gallon drum set – 150 lbs A-component, 150 lbs B-component P60040: 50 gallon drum set – 500 lbs A-component, 500 lbs B-component	Two-part, polyurethane foam adhesive for securement of insulations, thermal barriers, coverboards and fleece-backed membranes to acceptable substrates, supplied in refillable cylinders.

TABLE 1B: TYPICAL NOMINAL PROPERTIES

PROPERTY			STANDARD	RESULT
APOC® Polyset® Commercial Roof Adhesive	Density, lb/ft^3		ASTM D1622	3.0
	Tensile strength, psi		ASTM D1623	27
	Compressive strength, psi	parallel to rise	ASTM D1621	23
		perpendicular to rise		20
	Water absorption, % volume		ASTM D2842	6
	Self-ignition temperature, °F		ASTM D1929	> 1051
APOC® Polyset® Commercial Roof Adhesive (Bulk)	Density, lb/ft^3		ASTM D1622	2.61
	Tensile strength, psi		ASTM D1623	41
	Elongation, %		ASTM D1623	6
	Compressive strength, parallel to rise, psi		ASTM D1621	12
	Water absorption, % volume		ASTM D2842	37
	Self-ignition temperature, °F		ASTM D1929	684
	Flame spread index (FSI)		ASTM E84	10
	Smoke developed index (SDI)		ASTM E84	150

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3. INSTALLATION:

3.1 **APOC® Polyset® Commercial Roof Adhesive** shall be installed in accordance with **ICP Construction, Inc.** published installation instructions**,** subject to the Limitations of Use noted herein. In case of conflict between published installation instructions and this NER, this report governs.

3.1.1 Insulation Adhesives:

(a) Unless otherwise noted, insulation adhesive application rates are as follows. Ribbon or bead width is at the time of application; the ribbons/beads shall expand as noted in 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.

TABLE 2A: INSULATION ADHESIVE REFERENCES

ADHESIVE	METHOD	REFERENCE	MINIMUM RATE
APOC® Polyset® Commercial Roof Adhesive	Ribbon applied	Polyset CRA, RIBBON	Continuous 2.5 to 3-inch wide ribbons, 12-inch o.c.

(b) Unless otherwise noted, all 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 table.

TABLE 2B: MDP LIMITATIONS FOR TAPERED POLYISOCYANURATE INSULATIONS

ADHESIVE	INSULATION	MIN. TAPERED THICKNESS (IN)	MDP (PSF)
Polyset CRA	Any polyisocyanurate listed with adhesive herein	1.0	-117.5

(c) Adhered Insulation, Board size:

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

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 applicable Code requirements to the satisfaction of the Authority Having Jurisdiction.

(b) Existing roof decks or roof surfaces shall be examined by a representative of **ICP Construction, Inc.** for suitability of use with **APOC® Polyset® Commercial Roof Adhesive**.

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

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

(e) Lightweight insulating concrete (LWIC) shall be cast in accordance with **FBC 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. In all cases, the minimum top-coat thickness is 2-inches. For LWIC over structural concrete, reference is made to **FBC 1917.4.1, Point 1**.

4.1.3 Installation of **APOC® Polyset® Commercial Roof Adhesive** is limited to when the ambient air and substrate temperatures are at or above 40°F.

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4.1.4 Products listed in Rule 61G20-3.001, **F.A.C.**, shall be manufactured under a quality assurance program audited by an approved quality assurance entity. For components listed herein that are produced by a manufacturer other than the report holder on Page 1 of this NER, refer to the Florida Product Approval or NOA of the component manufacturer.

4.5 **Fire Classification:**

(a) Refer to **FBC 1505, FBC HVHZ 1516 or UL TGFU.R20817** and the fire classification certificate for the roof cover manufacturer for requirements and limitations regarding roof assembly fire classification.

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

4.2 Jurisdiction Specific:

	Non-HVHZ	HVHZ
4.2.1	This NER does not include evaluation of roof edge termination. Refer to **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 **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 sub-assembly listings and maximum allowable design pressures. The performance data therein pertains to sub-assembly interfaces involving **APOC® Polyset® Commercial Roof Adhesive**. If a roof system's Product Approval documentation does not specifically include **APOC® Polyset® Commercial Roof Adhesive**, the sub-assembly data herein is acceptable for comparison with the MDP limitation of the proposed roof system. The lesser of the MDP listed herein vs. that from the Roof System Product Approval documentation applies.

(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 **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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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 **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.

FBC

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4.3 Sub-Assembly Listings and Allowable Design Pressures: See Section 4.2.3

TABLE 3A: APOC POLYSET COMMERCIAL ROOF ADHESIVE PERFORMANCE DATA – RIGID BOARD INSULATION (NO COVERBOARD)

Substrate (4.1.2, 4.2.2)	Insulation / Attachment (3.1.1)		MDP (psf)
	Type	Attach	
APA Rated plywood or APA Rated OSB Deck	Min. 1.5-inch Atlas Roofing "ACFoam-II" or "ACFoam-III", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3"	Polyset CRA, RIBBON	-52.5
Galvanized Steel	Min. 1.5-inch Atlas Roofing "ACFoam-II" or "ACFoam-III", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3"	Polyset CRA, RIBBON	-52.5
Structural Concrete Deck	Min. 1.0-inch Atlas Roofing "ACFoam-II", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3" or Min. 1.3-inch Atlas Roofing "ACFoam-III"	Polyset CRA, RIBBON	-240.0
	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime" or USG "SECUROCK Gypsum-Fiber Roof Board"	Polyset CRA, RIBBON	-245.0
	Min. 1.5-inch Atlas Roofing "ACFoam-II" or "ACFoam-III", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3"	Polyset CRA, RIBBON	-270.0
Tectum Plank	Min. 0.25-inch G-P Gypsum "DensDeck Prime", National Gypsum "DEXcell FA Glass Mat Roof Board" or USG "SECUROCK Gypsum-Fiber Roof Board"	Polyset CRA, RIBBON	-75.0
	Min. 1.0-inch Atlas Roofing "ACFoam-II" or "ACFoam-III", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3"	Polyset CRA, RIBBON	-75.0
Existing Gypsum Deck	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime" or USG "SECUROCK Gypsum-Fiber Roof Board"	Polyset CRA, RIBBON	-245.0
	Min. 1.5-inch Atlas Roofing "ACFoam-II" or "ACFoam-III", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3"	Polyset CRA, RIBBON	-257.5
Granule Surface Modified Bitumen	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime" or USG "SECUROCK Gypsum-Fiber Roof Board"	Polyset CRA, RIBBON	-245.0
	Min. 1.5-inch Atlas Roofing "ACFoam-II" or "ACFoam-III", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3"	Polyset CRA, RIBBON	-270.0
Sanded Surface Modified Bitumen	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime" or USG "SECUROCK Gypsum-Fiber Roof Board"	Polyset CRA, RIBBON	-222.5
	Min. 1.5-inch Atlas Roofing "ACFoam-II" or "ACFoam-III", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3"	Polyset CRA, RIBBON	-222.5
Smooth Surface Built-Up Roof	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime" or USG "SECUROCK Gypsum-Fiber Roof Board"	Polyset CRA, RIBBON	-245.0
	Min. 1.5-inch Atlas Roofing "ACFoam-II" or "ACFoam-III", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3"	Polyset CRA, RIBBON	-262.5

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TABLE 3B: APOC POLYSET COMMERCIAL ROOF ADHESIVE PERFORMANCE DATA – RIGID BOARD INSULATION WITH COVERBOARD

Substrate (4.1.2, 4.2.2)	Insulation / Attachment (3.1.1)				MDP (psf)
	Base Layer	Attach	Top Layer	Attach	
APA Rated plywood or APA Rated OSB Deck	Min. 1.5-inch, 1.5 pcf Insulfoam II Roofing EPS or 2.0 pcf Insulfoam IX Roofing EPS	Polyset CRA, RIBBON	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime", USG "SECUROCK Gypsum-Fiber Roof Board" or Min. 0.5-inch Blue Ridge Fiberboard "Structodek High Density Fiberboard Roof Insulation", Johns Manville "DuraBoard Roof Insulation" or nominal 0.5-inch APA Rated plywood or APA Rated OSB	Polyset CRA, RIBBON	-52.5
	Min. 1.5-inch Atlas Roofing "ACFoam-II" or "ACFoam-III", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3"	Polyset CRA, RIBBON	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime", USG "SECUROCK Gypsum-Fiber Roof Board" or Min. 0.5-inch Blue Ridge Fiberboard "Structodek High Density Fiberboard Roof Insulation", Johns Manville "DuraBoard Roof Insulation" or nominal 0.5-inch APA Rated plywood or APA Rated OSB	Polyset CRA, RIBBON	-52.5
Galvanized Steel	Min. 1.5-inch Atlas Roofing "ACFoam-II" or "ACFoam-III", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3"	Polyset CRA, RIBBON	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime", USG "SECUROCK Gypsum-Fiber Roof Board" or Min. 0.5-inch Blue Ridge Fiberboard "Structodek High Density Fiberboard Roof Insulation" or Johns Manville "DuraBoard Roof Insulation" or nominal 0.5-inch APA Rated plywood or APA Rated OSB	Polyset CRA, RIBBON	-52.5
Structural Concrete Deck	Min. 1.0-inch Atlas Roofing "ACFoam-II", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3" or Min. 1.3-inch Atlas Roofing "ACFoam-III"	Polyset CRA, RIBBON	Min. 0.125-inch SOPREMA "SOPRABOARD"	Polyset CRA, RIBBON	-157.5
	Min. 1.0-inch Atlas Roofing "ACFoam-II", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3" or Min. 1.3-inch Atlas Roofing "ACFoam-III"	Polyset CRA, RIBBON	Min. 0.5-inch Blue Ridge Fiberboard "Structodek High Density Fiberboard Roof Insulation", Johns Manville "DuraBoard Roof Insulation"	Polyset CRA, RIBBON	-180.0
	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	Polyset CRA, RIBBON	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime", USG "SECUROCK Gypsum-Fiber Roof Board" or Min. 0.5-inch Blue Ridge Fiberboard "Structodek High Density Fiberboard Roof Insulation", Johns Manville "DuraBoard Roof Insulation" or nominal 0.5-inch APA Rated plywood or APA Rated OSB	Polyset CRA, RIBBON	-180.0
	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS or Atlas Roofing "ACFoam-II" or "ACFoam-III", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3"	Polyset CRA, RIBBON	Min. 0.5-inch Blue Ridge Fiberboard "Structodek High Density Fiberboard Roof Insulation"	Polyset CRA, RIBBON	-202.5
	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	Polyset CRA, RIBBON	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime", USG "SECUROCK Gypsum-Fiber Roof Board" or nominal 0.5-inch APA Rated plywood or APA Rated OSB	Polyset CRA, RIBBON	-240.0
	Min. 1.0-inch Atlas Roofing "ACFoam-II", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3" or Min. 1.3-inch Atlas Roofing "ACFoam-III"	Polyset CRA, RIBBON	Min. 0.25-inch G-P Gypsum "DensDeck", USG "SECUROCK Gypsum-Fiber Roof Board" or nominal 0.5-inch APA Rated plywood or APA Rated OSB	Polyset CRA, RIBBON	-240.0
	Min. 1.5-inch Atlas Roofing "ACFoam-II" or "ACFoam-III", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3"	Polyset CRA, RIBBON	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime" or USG "SECUROCK Gypsum-Fiber Roof Board"	Polyset CRA, RIBBON	-270.0
Tectum Plank	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS or 2.0 pcf Insulfoam IX Roofing EPS	Polyset CRA, RIBBON	Min. 0.25-inch G-P Gypsum "DensDeck Prime", National Gypsum "DEXcell FA Glass Mat Roof Board" or USG "SECUROCK Gypsum-Fiber Roof Board"	Polyset CRA, RIBBON	-75.0

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TABLE 3B: APOC POLYSET COMMERCIAL ROOF ADHESIVE PERFORMANCE DATA – RIGID BOARD INSULATION WITH COVERBOARD

Substrate (4.1.2, 4.2.2)	Insulation / Attachment (3.1.1)				MDP (psf)
	Base Layer	Attach	Top Layer	Attach	
Tectum Plank	Min. 1.5-inch Atlas Roofing "ACFoam-II" or "ACFoam-III", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3"	Polyset CRA, RIBBON	Min. 0.25-inch G-P Gypsum "DensDeck Prime", National Gypsum "DEXcell FA Glass Mat Roof Board" or USG "SECUROCK Gypsum-Fiber Roof Board"	Polyset CRA, RIBBON	-75.0
Existing Gypsum Deck	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	Polyset CRA, RIBBON	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime", USG "SECUROCK Gypsum-Fiber Roof Board" or Min. 0.5-inch Blue Ridge Fiberboard "Structodek High Density Fiberboard Roof Insulation", Johns Manville "DuraBoard Roof Insulation" or nominal 0.5-inch APA Rated plywood or APA Rated OSB	Polyset CRA, RIBBON	-180.0
	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS or Atlas Roofing "ACFoam-II" or "ACFoam-III", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3"	Polyset CRA, RIBBON	Min. 0.5-inch Blue Ridge Fiberboard "Structodek High Density Fiberboard Roof Insulation"	Polyset CRA, RIBBON	-202.5
	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	Polyset CRA, RIBBON	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime", USG "SECUROCK Gypsum-Fiber Roof Board" or nominal 0.5-inch APA Rated plywood or APA Rated OSB	Polyset CRA, RIBBON	-240.0
	Min. 1.5-inch Atlas Roofing "ACFoam-II" or "ACFoam-III", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3"	Polyset CRA, RIBBON	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime" or USG "SECUROCK Gypsum-Fiber Roof Board"	Polyset CRA, RIBBON	-257.5
Granule Surface Modified Bitumen	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	Polyset CRA, RIBBON	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime", USG "SECUROCK Gypsum-Fiber Roof Board" or Min. 0.5-inch Blue Ridge Fiberboard "Structodek High Density Fiberboard Roof Insulation" or Johns Manville "DuraBoard Roof Insulation" or nominal 0.5-inch APA Rated plywood or APA Rated OSB	Polyset CRA, RIBBON	-180.0
	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS or Atlas Roofing "ACFoam-II" or "ACFoam-III", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3"	Polyset CRA, RIBBON	Min. 0.5-inch Blue Ridge Fiberboard "Structodek High Density Fiberboard Roof Insulation"	Polyset CRA, RIBBON	-202.5
	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	Polyset CRA, RIBBON	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime", USG "SECUROCK Gypsum-Fiber Roof Board" or nominal 0.5-inch APA Rated plywood or APA Rated OSB	Polyset CRA, RIBBON	-240.0
	Min. 1.5-inch Atlas Roofing "ACFoam-II" or "ACFoam-III", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3"	Polyset CRA, RIBBON	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime" or USG "SECUROCK Gypsum-Fiber Roof Board"	Polyset CRA, RIBBON	-270.0

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TABLE 3B: APOC POLYSET COMMERCIAL ROOF ADHESIVE PERFORMANCE DATA – RIGID BOARD INSULATION WITH COVERBOARD

Substrate (4.1.2, 4.2.2)	Insulation / Attachment (3.1.1)				MDP (psf)
	Base Layer	Attach	Top Layer	Attach	
Sanded Surface Modified Bitumen	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	Polyset CRA, RIBBON	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime", USG "SECUROCK Gypsum-Fiber Roof Board" or Min. 0.5-inch Blue Ridge Fiberboard "Structodek High Density Fiberboard Roof Insulation" or Johns Manville "DuraBoard Roof Insulation" or nominal 0.5-inch APA Rated plywood or APA Rated OSB	Polyset CRA, RIBBON	-180.0
	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS or Atlas Roofing "ACFoam-II" or "ACFoam-III", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3"	Polyset CRA, RIBBON	Min. 0.5-inch Blue Ridge Fiberboard "Structodek High Density Fiberboard Roof Insulation"	Polyset CRA, RIBBON	-202.5
	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	Polyset CRA, RIBBON	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime", USG "SECUROCK Gypsum-Fiber Roof Board" or nominal 0.5-inch APA Rated plywood or APA Rated OSB	Polyset CRA, RIBBON	-222.5
	Min. 1.5-inch Atlas Roofing "ACFoam-II" or "ACFoam-III", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3"	Polyset CRA, RIBBON	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime", USG "SECUROCK Gypsum-Fiber Roof Board"	Polyset CRA, RIBBON	-222.5
Smooth Surface Built-Up Roof	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	Polyset CRA, RIBBON	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime", USG "SECUROCK Gypsum-Fiber Roof Board" or Min. 0.5-inch Blue Ridge Fiberboard "Structodek High Density Fiberboard Roof Insulation" or Johns Manville "DuraBoard Roof Insulation", nominal 0.5-inch APA Rated plywood or APA Rated OSB	Polyset CRA, RIBBON	-180.0
	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS or Atlas Roofing "ACFoam-II" or "ACFoam-III", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3"	Polyset CRA, RIBBON	Min. 0.5-inch Blue Ridge Fiberboard "Structodek High Density Fiberboard Roof Insulation"	Polyset CRA, RIBBON	-202.5
	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	Polyset CRA, RIBBON	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime", USG "SECUROCK Gypsum-Fiber Roof Board" or nominal 0.5-inch APA Rated plywood or APA Rated OSB	Polyset CRA, RIBBON	-240.0
	Min. 1.5-inch Atlas Roofing "ACFoam-II" or "ACFoam-III", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3"	Polyset CRA, RIBBON	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime" or USG "SECUROCK Gypsum-Fiber Roof Board"	Polyset CRA, RIBBON	-262.5

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