



**NEMO|etc.**

Certificate of Authorization #32455  
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Oxford, CT 06478  
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ENGINEER

EVALUATE

TEST

CONSULT

**EVALUATION REPORT**

**ICP Construction, Inc.**  
2775 Barber Road  
Norton, OH 44203  
**(888) 774-1099**

**Evaluation Report 2760.12.03-R10**  
**FL1365-R9**  
**Date of Issuance: 09/20/2004**  
**Revision 10: 01/18/2022**

**SCOPE:**

This Evaluation Report is issued under **Rule 61G20-3** and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for use of the product under the Florida Building Code. The product described herein has been evaluated for compliance with the **7<sup>th</sup> Edition (2020) Florida Building Code** sections noted herein.

**DESCRIPTION: Polys<sup>®</sup> Commercial Roof Adhesive**

**LABELING:** Labeling shall be in accordance with the requirements of the Accredited Quality Assurance Agency noted herein.

**CONTINUED COMPLIANCE:** This Evaluation Report is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our Evaluation Reports by the named client constitutes agreement to notify NEMO ETC, LLC of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO ETC, LLC requires a complete review of its Evaluation Report relative to updated Code requirements with each Code Cycle.

**ADVERTISEMENT:** The Florida Product Approval Number (FL#) preceded by the words **"NEMO Evaluated"** may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

**INSPECTION:** Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 4, plus a 4-page Appendix.

**Prepared by:**

**Robert J.M. Nieminen, P.E.**  
*Florida Registration No. 59166, Florida DCA ANE1983*



The facsimile seal appearing was authorized by Robert Nieminen, P.E. on 01/18/2022. This does not serve as an electronically signed document.

**CERTIFICATION OF INDEPENDENCE:**

1. NEMO ETC, LLC does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. NEMO ETC, LLC is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the evaluation reports are being issued.
4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.
5. This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

**ROOFING COMPONENT EVALUATION:**
**1. SCOPE:**
**Product Category:** Roofing

**Sub-Category:** Cements-Adhesives-Coatings

**Compliance Statement:** Polyset® Commercial Roof Adhesive, as produced by ICP Construction, Inc., has demonstrated compliance with the following sections of the 7<sup>th</sup> Edition (2020) Florida Building Code through testing in accordance with the Standards set forth herein. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

**2. STANDARDS:**

SECTIONS	PROPERTY	STANDARD	YEAR
1504.3.1	Wind resistance	FM 4474	2011
1504.3.1	Wind resistance	UL 1897	2012

**3. REFERENCES:**

ENTITY	EXAMINATION	REFERENCE	DATE
FM (TST 1867)	FM 4474 / FM 4470	3012321	07/29/2002
FM (TST 1867)	FM 4474 / FM 4470	3019317	06/30/2004
FM (TST 1867)	FM 4474 / FM 4470	3032127	06/12/2009
FM (TST 1867)	FM 4474 / FM 4470	PR454634	02/08/2021
FM (TST 1867)	FM 4474 / FM 4470	RR230954	12/13/2021
Intertek (TST1558)	ASTM E84	L6731.01-121-18 R0	01/19/2021
NEMO (TST6049)	FM 4474	4a-ICP-19-LSWUS-01.A	11/08/2019
NEMO (TST6049)	Criticality	4p-ICP-19-SSLAP-04.A	05/28/2020
NEMO (TST6049)	Criticality	4i-ICP-21-SSCRT-01.A	06/10/2021
UL, LLC. (TST 9628)	UL 1897	02NK25677	04/01/2003
UL, LLC. (QUA 9625)	Quality Assurance	Service Confirmation	02/09/2021
UL, LLC. (QUA 9625)	Quality Assurance	Florida BCIS	Current

**4. PRODUCT DESCRIPTION:**

TRADE NAME	DESCRIPTION	MANUFACTURING LOCATION
Polyset® Commercial Roof Adhesive	Spray applied, two-part reactive urethane adhesive supplied in refillable and disposable cylinders.	Tomball, TX
TYPICAL PROPERTIES		
PROPERTY	STANDARD	RESULT
Density, lb/ft <sup>3</sup>	ASTM D1622	2.8
Tensile strength, parallel to rise, psi	ASTM D1623	29
Compressive strength, parallel to rise, psi	ASTM D1621	11
Water absorption, % volume	ASTM D2842	4.2
Self-ignition temperature, °F	ASTM D1929	999
Flame spread index (FSI)	ASTM E84	15
Smoke developed index (SDI)	ASTM E84	200

## 5. LIMITATIONS:

- 5.1 This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.
- 5.2 This Evaluation Report is not for use in FBC High Velocity Hurricane Zone jurisdictions (i.e., Broward and Miami-Dade Counties).
- 5.3 This Evaluation Report pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.
- 5.4 This Evaluation Report does not include evaluation of fire classification. Refer to **FBC 1505** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.
- 5.5 This Evaluation Report does not include evaluation of roof edge termination. Refer to **FBC 1504.5** for requirements and limitations regarding edge securement for low-slope roofs.
- 5.6 Refer to **FBC 1511** for requirements and limitations regarding recover installations.
- 5.6.1 For bonded insulation over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface 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 **ANSI/SPRI IA-1, ASTM E907, FM Loss Prevention Data Sheet 1-52** or **Testing Application Standard TAS 124** shall be conducted on mock-ups of the proposed new roof assembly.
- 5.6.2 For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with **ASTM E907, FM Loss Prevention Data Sheet 1-52** or **Testing Application Standard TAS 124**.
- 5.7 Refer to Appendix 1 for system attachment requirements for wind load resistance.
- 5.7.1 “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.
- 5.7.2 For partially-bonded insulation, the maximum design pressure 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** and **FM Loss Prevention Data Sheet 1-29**.
- 5.7.3 The performance data in Appendix 1 pertains to substrate interfaces bonded with Polyset® Commercial Roof Adhesive. If a roof system Product Approval documentation does not specifically include Polyset® Commercial Roof Adhesive with a particular substrate or interface, the data noted herein is acceptable for comparison with the maximum design pressure of the roof assembly interface with the top insulation layer. The lesser of the two applies.
- 5.8 All components in the roof assembly shall have quality assurance audit in accordance with **F.A.C. Rule 61G20-3**. Refer to the Product Approval of the component manufacturer for components listed in Appendix 1 that are produced by a Product Manufacturer other than the report holder on Page 1 of this Evaluation Report.

**6. INSTALLATION:**

- 6.1 **Polyset® Commercial Roof Adhesive** shall be installed in accordance with **ICP Construction, Inc.** published installation instructions, subject to the Limitations / Conditions of Use herein.
- 6.2 Existing roof decks or roof surfaces shall be examined by a representative of **ICP Adhesives & Sealants, Inc.** for suitability of use with **Polyset® Commercial Roof Adhesive**.

**7. BUILDING PERMIT REQUIREMENTS:**

As required by the Building Official or Authority Having Jurisdiction in order to properly evaluate the installation of this product.

**7. MANUFACTURING LOCATIONS:**

Contact the named QA entity for manufacturing facilities covered by **F.A.C. Rule 61G20-3** QA requirements. Refer to Section 4 herein for products and production locations having met codified material standards.

**9. QUALITY ASSURANCE ENTITY:**

UL LLC – QUA9625; (360) 817-5512; [Vinycia.Seman@ul.com](mailto:Vinycia.Seman@ul.com)

**- THE FOUR (4) PAGES THAT FOLLOW FORM PART OF THIS EVALUATION REPORT -**

**The following notes apply to the systems outlined herein:**

**1.0 Decks & Substrates:**

- 1.1 The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.
- 1.2 Refer to FBC 1511 for requirements and limitations regarding recover installations. For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface 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 shall be conducted on mock-ups of the proposed new roof assembly. For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing. Field uplift testing shall be in accordance with ASTM E907, FM Loss Prevention Data Sheet 1-52 or Testing Application Standard TAS 124.

**2.0 Adhesive Application:**

- 2.1 Unless otherwise noted, data pertains to Polyset® Commercial Roof Adhesive applied in continuous 2.5 to 3.5 inch ribbons spaced 12-inch o.c.
- 2.2 Min. 1-inch thick tapered polyisocyanurate may be substituted for the referenced flat stock polyisocyanurate board for a Maximum Design Pressure (MDP) limitation of -117.5 psf
- 2.3 For adhered roof insulation and board-size: Unless otherwise noted, refer to Section 2.2.10.6.2 of FM Loss Prevention Data Sheet 1-29 (February 2020).

**3.0 Performance Limitations:**

- 3.1 “MDP” = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC 1609 for determination of design wind loads.
- 3.2 The performance data herein pertains to substrate interfaces bonded with Polyset® Commercial Roof Adhesive. If a roof system Product Approval documentation does not specifically include Polyset® Commercial Roof Adhesive with a particular substrate or interface, the data noted herein is acceptable for comparison with the maximum design pressure of the roof assembly interface with the top insulation layer. The lesser of the two applies.
- 3.3 For partially-bonded insulation, the maximum design pressure 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 are FM Loss Prevention Data Sheet 1-29.
- 3.4 For assemblies with all components fully bonded, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with FBC Chapter 16. No rational analysis is permitted for these systems.

**TABLE 1: POLYSET® COMMERCIAL ROOF ADHESIVE PERFORMANCE DATA – RIGID BOARD INSULATION (NO COVERBOARD)**

Substrate (Note 1.0)	Insulation (Note 2.0)	MDP (psf) (Note 3.0)
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”, Johns Manville “ENRGY 3” or Rmax “Multi-Max FA3”	-52.5
Galvanized Steel	Min. 1.5-inch Atlas Roofing “ACFoam II” or “ACFoam III”, Hunter Panels “H-Shield” or “H-Shield CG”, Johns Manville “ENRGY 3” or Rmax “Multi-Max FA3”	-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”, Min. 1.3-inch Atlas Roofing “ACFoam III” or Min. 1.5-inch Rmax “Ultra-Max”	-240.0
	Min. 0.25-inch G-P Gypsum “DensDeck” or “DensDeck Prime” or USG “SECUROCK Gypsum-Fiber Roof Board”	-245.0
	Min. 1.5-inch Atlas Roofing “ACFoam II” or “ACFoam III”, Hunter Panels “H-Shield” or “H-Shield CG”, Johns Manville “ENRGY 3” or Rmax “Multi-Max FA3”	-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”	-75.0
	Min. 1.0-inch Atlas Roofing “ACFoam II” or “ACFoam III”, Hunter Panels “H-Shield” or “H-Shield CG”, Johns Manville “ENRGY 3” or Rmax “Multi-Max FA3”	-75.0
Existing Gypsum Deck	Min. 0.25-inch G-P Gypsum “DensDeck” or “DensDeck Prime” or USG “SECUROCK Gypsum-Fiber Roof Board”	-245.0
	Min. 1.5-inch Atlas Roofing “ACFoam II” or “ACFoam III”, Hunter Panels “H-Shield” or “H-Shield CG”, Johns Manville “ENRGY 3” or Rmax “Multi-Max FA3”	-257.5
Granule Surface Modified Bitumen	Min. 0.25-inch G-P Gypsum “DensDeck” or “DensDeck Prime” or USG “SECUROCK Gypsum-Fiber Roof Board”	-245.0
	Min. 1.5-inch Atlas Roofing “ACFoam II” or “ACFoam III”, Hunter Panels “H-Shield” or “H-Shield CG”, Johns Manville “ENRGY 3” or Rmax “Multi-Max FA3”	-270.0
Sanded Surface Modified Bitumen	Min. 0.25-inch G-P Gypsum “DensDeck” or “DensDeck Prime” or USG “SECUROCK Gypsum-Fiber Roof Board”	-222.5
	Min. 1.5-inch Atlas Roofing “ACFoam II” or “ACFoam III”, Hunter Panels “H-Shield” or “H-Shield CG”, Johns Manville “ENRGY 3” or Rmax “Multi-Max FA3”	-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”	-245.0
	Min. 1.5-inch Atlas Roofing “ACFoam II” or “ACFoam III”, Hunter Panels “H-Shield” or “H-Shield CG”, Johns Manville “ENRGY 3” or Rmax “Multi-Max FA3”	-262.5

**TABLE 2: POLYSET® COMMERCIAL ROOF ADHESIVE PERFORMANCE DATA – RIGID BOARD INSULATION WITH COVERBOARD**

Substrate (Note 1.0)	Insulation (Note 2.0)		MDP (psf) (Note 3.0)
	Base Layer	Top Layer	
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	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	-52.5
	Min. 1.5-inch Atlas Roofing “ACFoam II” or “ACFoam III”, Hunter Panels “H-Shield” or “H-Shield CG”, Johns Manville “ENRGY 3” or Rmax “Multi-Max FA3”	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	-52.5
Galvanized Steel	Min. 1.5-inch Atlas Roofing “ACFoam II” or “ACFoam III”, Hunter Panels “H-Shield” or “H-Shield CG”, Johns Manville “ENRGY 3” or Rmax “Multi-Max FA3”	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	-52.5

**TABLE 2 (CONTINUED): POLYSET® COMMERCIAL ROOF ADHESIVE PERFORMANCE DATA – RIGID BOARD INSULATION WITH COVERBOARD**

Substrate (Note 1.0)	Insulation (Note 2.0)		MDP (psf) (Note 3.0)
	Base Layer	Top Layer	
Structural Concrete Deck	Min. 1.0-inch Atlas Roofing "ACFoam II", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3", Min. 1.3-inch Atlas Roofing "ACFoam III" or Min. 1.5-inch Rmax "Ultra-Max"	Min. 0.125-inch Soprema "SOPRABOARD"	-157.5
	Min. 1.0-inch Atlas Roofing "ACFoam II", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3", Min. 1.3-inch Atlas Roofing "ACFoam III" or Min. 1.5-inch Rmax "Ultra-Max"	Min. 0.5-inch Blue Ridge Fiberboard "Structodek High Density Fiberboard Roof Insulation", Johns Manville "DuraBoard Roof Insulation"	-180.0
	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	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	-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", Johns Manville "ENRGY 3" or Rmax "Multi-Max FA3"	Min. 0.5-inch Blue Ridge Fiberboard "Structodek High Density Fiberboard Roof Insulation"	-202.5
	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	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	-240.0
	Min. 1.0-inch Atlas Roofing "ACFoam II", Hunter Panels "H-Shield" or "H-Shield CG" or Johns Manville "ENRGY 3", Min. 1.3-inch Atlas Roofing "ACFoam III" or Min. 1.5-inch Rmax "Ultra-Max"	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	-240.0
	Min. 1.5-inch Atlas Roofing "ACFoam II" or "ACFoam III", Hunter Panels "H-Shield" or "H-Shield CG", Johns Manville "ENRGY 3" or Rmax "Multi-Max FA3"	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime" or USG "SECUROCK Gypsum-Fiber Roof Board"	-270.0
Tectum Plank	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS or 2.0 pcf Insulfoam IX Roofing EPS	Min. 0.25-inch G-P Gypsum "DensDeck Prime", National Gypsum "DEXcell FA Glass Mat Roof Board" or USG "SECUROCK Gypsum-Fiber Roof Board"	-75.0
	Min. 1.5-inch Atlas Roofing "ACFoam II" or "ACFoam III", Hunter Panels "H-Shield" or "H-Shield CG", Johns Manville "ENRGY 3" or Rmax "Multi-Max FA3"	Min. 0.25-inch G-P Gypsum "DensDeck Prime", National Gypsum "DEXcell FA Glass Mat Roof Board" or USG "SECUROCK Gypsum-Fiber Roof Board"	-75.0
Existing Gypsum Deck	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	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	-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", Johns Manville "ENRGY 3" or Rmax "Multi-Max FA3"	Min. 0.5-inch Blue Ridge Fiberboard "Structodek High Density Fiberboard Roof Insulation"	-202.5
	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	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	-240.0
	Min. 1.5-inch Atlas Roofing "ACFoam II" or "ACFoam III", Hunter Panels "H-Shield" or "H-Shield CG", Johns Manville "ENRGY 3" or Rmax "Multi-Max FA3"	Min. 0.25-inch G-P Gypsum "DensDeck" or "DensDeck Prime" or USG "SECUROCK Gypsum-Fiber Roof Board"	-257.5

**TABLE 2 (CONTINUED): POLYSET® COMMERCIAL ROOF ADHESIVE PERFORMANCE DATA – RIGID BOARD INSULATION WITH COVERBOARD**

Substrate (Note 1.0)	Insulation (Note 2.0)		MDP (psf) (Note 3.0)
	Base Layer	Top Layer	
Granule Surface Modified Bitumen	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	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	-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”, Johns Manville “ENRGY 3” or Rmax “Multi-Max FA3”	Min. 0.5-inch Blue Ridge Fiberboard “Structodek High Density Fiberboard Roof Insulation”	-202.5
	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	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	-240.0
	Min. 1.5-inch Atlas Roofing “ACFoam II” or “ACFoam III”, Hunter Panels “H-Shield” or “H-Shield CG”, Johns Manville “ENRGY 3” or Rmax “Multi-Max FA3”	Min. 0.25-inch G-P Gypsum “DensDeck” or “DensDeck Prime” or USG “SECUROCK Gypsum-Fiber Roof Board”	-270.0
Sanded Surface Modified Bitumen	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	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	-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”, Johns Manville “ENRGY 3” or Rmax “Multi-Max FA3”	Min. 0.5-inch Blue Ridge Fiberboard “Structodek High Density Fiberboard Roof Insulation”	-202.5
	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	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	-222.5
	Min. 1.5-inch Atlas Roofing “ACFoam II” or “ACFoam III”, Hunter Panels “H-Shield” or “H-Shield CG”, Johns Manville “ENRGY 3” or Rmax “Multi-Max FA3”	Min. 0.25-inch G-P Gypsum “DensDeck” or “DensDeck Prime”, USG “SECUROCK Gypsum-Fiber Roof Board”	-222.5
Smooth Surface Built-Up Roof	Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS	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	-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”, Johns Manville “ENRGY 3” or Rmax “Multi-Max FA3”	Min. 0.5-inch Blue Ridge Fiberboard “Structodek High Density Fiberboard Roof Insulation”	-202.5
	Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS	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	-240.0
	Min. 1.5-inch Atlas Roofing “ACFoam II” or “ACFoam III”, Hunter Panels “H-Shield” or “H-Shield CG”, Johns Manville “ENRGY 3” or Rmax “Multi-Max FA3”	Min. 0.25-inch G-P Gypsum “DensDeck” or “DensDeck Prime” or USG “SECUROCK Gypsum-Fiber Roof Board”	-262.5