FLORIDA DEPARTMENT OF Community Affairs

Product Approval

USER: Public User

FL #	FL1365-R2
Application Type	Revision
Code Version	2007
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer	Polyfoam Products, Inc
Address/Phone/Email	11715 Boudreaux Roar Tomball, TX 77377 (954) 579-1559 Ext 205 bob@polyfoam.cc
Authorized Signature	Robert Ferrante bob@polyfoam.cc
Technical Representative	Bob Ferrante
Address/Phone/Email	10798 N.W. 53rd. Street Sunrise, FL 33351 (954) 578-1559 bob@polyfoam.cc
Quality Assurance Representative	Mr. Pat Donahue
Address/Phone/Email	11715 Boudreaux Road Tomball, TX 773757370 (281) 350-8888 patd@polyfoam.cc
Category	Roofing
Subcategory	Cements-Adhesives-Coating
Compliance Method	Evaluation Report from a Fl

	Florida Professional Enginee
	☑ Evaluation Report - Har
Florida Engineer or Architect Name who developed the Evaluation Report	Robert Nieminen
Florida License	PE-59166
Quality Assurance Entity	Underwriters Laboratories I
Quality Assurance Contract Expiration Date	12/08/2011
Validated By	John W. Knezevich, PE
	☑ Validation Checklist - Ha
Certificate of Independence	FL1365_R2_COI_Trinity ERI
Referenced Standard and Year (of Standard)	**Standard** FM 4470 TAS 114 UL1897
Equivalence of Product Standards Certified By	
Sections from the Code	
Product Approval Method	Method 1 Option D
Date Submitted	01/05/2009
Date Validated	01/06/2009
Date Pending FBC Approval	01/12/2009
Date Approved	02/03/2009

Summary of Products

FL #	Model, Number or Name	Description
1365.1	TITESET Roofing Adhesive	Spray applied, two
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** N/A **Design Pressure:** +N/A/-270 **Other:** 1. Refer to ER Section 5 for Limits of Use. 2. The design pressure herein pertains to one particular		**Installation Inst** FL1365_R2_II_A1 TITESET_FL1365- Verified By: Robe Created by Indep **Evaluation Repo** FL1365_R2_AE_e

deck/insulation interface. Refer to ER Appendix for all deck/insulation interfaces. 3. Refer to Roof System Product Approval for assembly design pressures.	TITESET_FL1365- Created by Indep

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DCA Administration

Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Fax (850) 414-8436

Product Approval Accepts:

EXTERIOR RESEARCH & DESIGN, LLC.
Certificate of Authorization #9503
353 CHRISTIAN STREET, UNIT 13
OXFORD, CT 06478
PHONE: (203) 262-9245
FAX: (203) 262-9243

EVALUATION REPORT

Polyfoam Products, Inc.
11715 Boudreaux Road
Tomball, TX 77375

Evaluation Report 2760.12.03-R3
FL1365-R2
Date of Issuance: 09/20/2004
Revision 3: 01/04/2009

SCOPE:
This Evaluation Report is issued under Rule 9B-72 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 designed to comply with the 2007 Florida Building Code.

DESCRIPTION: TITESET® Roofing Adhesive

LABELING: Each unit shall bear labeling in accordance with the requirements the Accredited Quality Assurance Agency noted herein.

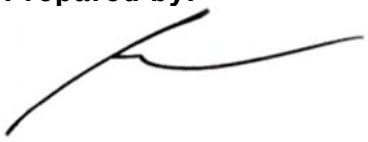
CONTINUED COMPLIANCE: This Evaluation Report is valid until such time as the named product(s) changes, the referenced Quality Assurance documentation changes, or provisions of the Code that relate to the product change. Acceptance of this Evaluation Report by the named client constitutes agreement to notify Robert Nieminen, P.E. if the product changes or the referenced Quality Assurance documentation changes. Trinity|ERD requires a complete review of this Evaluation Report relative to updated Code requirements with each Code Cycle.

ADVERTISEMENT: The Evaluation Report number preceded by the words "Trinity | ERD Evaluated" may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

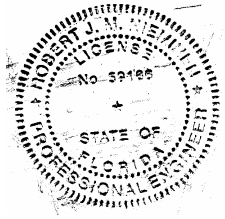
INSPECTION: Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 3, 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 1/04/2009
This does not serve as an electronically signed document. Signed, sealed hardcopies have been transmitted to the Product Approval Administrator and to the named client

CERTIFICATION OF INDEPENDENCE:
1. Exterior Research & Design, LLC. d/b/a Trinity | ERD 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. Exterior Research & Design, LLC. d/b/a Trinity | ERD 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.

ROOFING COMPONENT EVALUATION:

1. SCOPE:

Product Category: Roofing
Sub-Category: Cements-Adhesives-Coatings
Compliance Statement: TITESET® Roofing Adhesive, as produced by Polyfoam Products, Inc., has demonstrated compliance with the 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	FM 4470	1992
1504.3.1	Wind	UL 1897	1998
1523.6.2	Wind	TAS 114	1995

3. REFERENCES:

Entity	Examination	Reference	Date
FM (TST 1867)	FM 4470 / TAS 114	3012321	07/29/2002
FM (TST 1867)	FM 4470 / TAS 114	3019317	06/30/2004
ITS (TST 1585)	Physical Properties	16843-116408	11/19/2003
ITS (TST 1585)	Physical Properties	16843-116407	11/24/2003
MTI (TST 2508)	Physical Properties	EX15G4B	10/07/2004
UL (QUA 1740)	UL 1897	02NK25677	04/01/2003
M-D BCCO (CER1592)	Physical Properties	04-0510.01	04/13/2005
UL (QUA 1743)	Quality Assurance	File R20817, 1QA	12/08/2008

4. PRODUCT DESCRIPTION:

4.1 TITESET® Roofing Adhesive is a spray applied, two-part reactive urethane adhesive supplied in refillable and disposable cylinders. The TITESET® "A" and "B" Components are available in 17, 60, 120 and 350 gallon refillable cylinders or in pre-pressurized disposable 5.84 gallon cylinders. The refillable components cylinders are pressurized with nitrogen prior to application.

5. LIMITATIONS:

5.1 This Evaluation Report is not for use in the HVHZ.

5.2 Refer to a current Roofing Materials Directory for fire ratings of this product.

5.3 The roof cover adhered over the final layer of roof insulation shall be installed in accordance with the roof cover manufacturer's published installation instructions and shall be compliant with FBC Chapter 15, including fire classification, wind resistance, impact resistance and physical properties.

5.4 The roof cover adhered over the final layer of roof insulation shall be Approved for use with the specific insulation components.

5.5 The overall wind performance of the completed roof assembly shall be the lesser of maximum design pressure listed in Appendix 1 compared to that for the roof cover adhered to the referenced insulation, as documented through an FBC Approved Test Laboratory, Evaluation Agency or Certification Agency.

5.5.1 Elevated pressure zones shall be addressed in accordance with FM LPDS 1-29.

5.6 Re-Roof (tear off) and/or Recover Installations:

5.6.1 The existing deck or roof surface shall be clean, smooth and free of foreign debris. Existing roof decks or roof surfaces shall be examined by a representative of Polyfoam Products for suitability of use with TITESET® Roofing Adhesive. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with ASTM E907, FM LPDS 1-52 or ANSI/SPRI IA-1 shall be conducted. Trinity|ERD recommends testing to 1.5 times design.

5.6.2 Existing roof systems shall be capable of resisting project design pressures on its own merit to the satisfaction of the AHJ, as documented through field uplift testing in accordance with ASTM E907 or FM LPDS 1-52. Trinity|ERD recommends testing to 1.5 times design.

5.7 All products in the roof assembly shall have quality assurance audit in accordance with the FBC and F.A.C. Rule 9B-72.

6. INSTALLATION:

6.1 TITESET® Roofing Adhesive shall be installed in accordance with Polyfoam Products, Inc. published installation instructions, subject to the limitations outlined in Section 5.

7. LABELING:

All TITESET® containers shall comply with the Standard Conditions listed herein.

8. BUILDING PERMIT REQUIREMENTS:

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

9. MANUFACTURING LOCATIONS:

Tomball, TX

10. QUALITY ASSURANCE ENTITY:

Underwriters Laboratories, Inc. – QUA1743

- THE FOUR PAGES THAT FOLLOW FORM PART OF THIS EVALUATION REPORT -

The following notes apply to the systems outlined herein:

1. The performance data contained herein pertains to substrate interfaces bonded with TITESET® Roofing Adhesive. If a roof system's Product Approval documentation does not specifically include TITESET with a particular substrate or interface, the data noted herein can be used to compare with the maximum design pressure of the roof assembly's interface with the top insulation layer. The lesser of the two applies.

2. The performance data contained herein already has a 2 to 1 margin of safety applied.

3. Unless otherwise noted, data pertains to TITESET® applied in continuous 2½ to 3½ inch ribbons spaced 12" o.c.

4. Tapered polyisocyanurate may be substituted for the referenced flat stock board for a Maximum Design Pressure (MDP) limitation of -117.5 psf.

5. Roof decks shall be in accordance with FBC requirements to the satisfaction of the AHJ. Wind load resistance of the roof deck shall be documented through proper codified and/or FBC Approval documentation.

6. Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.

7. The maximum design pressure for the selected insulation assembly shall meet or exceed the Zone 1 design pressure determined in accordance with FBC Chapter 16, and Zones 2 and 3 shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria in accordance with FM Loss Prevention Data Sheet 1-29.

8. The existing deck or roof surface shall be clean, smooth and free of foreign debris. Existing roof decks or roof surfaces shall be examined by a representative of Polyfoam Products for suitability of use with TITESET® Roofing Adhesive. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with ASTM E907, FM LPDS 1-52 or ANSI/SPRI IA-1 shall be conducted. Trinity|ERD recommends testing to 1.5 times design.

9. Existing roof covers shall be capable of resisting project design pressures on its own merit to the satisfaction of the AHJ, as documented through field uplift testing in accordance with ASTM E907 or FM Loss Prevention Data Sheet 1-52.

Table 1: TITESET® Performance Data – Rigid Board Insulation (no coverboard)		
Substrate	**Insulation**	**MDP (psf)**
Plywood or OSB Deck	Min. 1.5-inch, min. 1.25 pcf ASTM C578 expanded polystyrene board	-52.5
	Min. 1.5-inch ACFoam II, ACFoam III, ISO 95+ GL, H-Shield, H-Shield CG, ENRGY 3 or Multi-Max FA3	-52.5
Galvanized Steel	Min. 1.5-inch ACFoam II, ACFoam III, ISO 95+ GL, H-Shield, H-Shield CG, ENRGY 3 or Multi-Max FA3	-52.5
Structural Concrete Deck	Min. 1.5-inch, min. 1.25 pcf ASTM C578 expanded polystyrene board	-87.5
	Min. 1.5-inch, min. 1.5 pcf ASTM C578 expanded polystyrene board	-180.0
	Min. 1.5-inch, min. 2.0 pcf ASTM C578 expanded polystyrene board	-240.0
	Min. ¼-inch DensDeck, DensDeck Prime or Securock	-245.0
	Min. 1.5-inch ACFoam II, ACFoam III, ISO 95+ GL, H-Shield, H-Shield CG, ENRGY 3 or Multi-Max FA3	-270.0
Cellular Lightweight Concrete	Min. 1.5-inch, min. 1.25 pcf ASTM C578 expanded polystyrene board	-87.5
	Min. 1.5-inch, min. 1.5 pcf ASTM C578 expanded polystyrene board	-180.0
	Min. 1.5-inch, min. 2.0 pcf ASTM C578 expanded polystyrene board	-215.0
	Min. 1.5-inch ACFoam II, ACFoam III, ISO 95+ GL, H-Shield, H-Shield CG, ENRGY 3 or Multi-Max FA3	-215.0
Tectum or Fibroplank Deck	Min. 1.5-inch, min. 1.25 pcf ASTM C578 expanded polystyrene board	-52.5
	Min. ¼-inch DensDeck, DensDeck Prime or Securock	-52.5
	Min. 1.5-inch ACFoam II, ACFoam III, ISO 95+ GL, H-Shield, H-Shield CG, ENRGY 3 or Multi-Max FA3	-52.5
Existing Gypsum Deck	Min. 1.5-inch, min. 1.25 pcf ASTM C578 expanded polystyrene board	-87.5
	Min. 1.5-inch, min. 1.5 pcf ASTM C578 expanded polystyrene board	-180.0
	Min. 1.5-inch, min. 2.0 pcf ASTM C578 expanded polystyrene board	-240.0
	Min. ¼-inch DensDeck, DensDeck Prime or Securock	-245.0
	Min. 1.5-inch ACFoam II, ACFoam III, ISO 95+ GL, H-Shield, H-Shield CG, ENRGY 3 or Multi-Max FA3	-257.5
Granule Surface Modified Bitumen	Min. 1.5-inch, min. 1.25 pcf ASTM C578 expanded polystyrene board	-87.5
	Min. 1.5-inch, min. 1.5 pcf ASTM C578 expanded polystyrene board	-180.0
	Min. 1.5-inch, min. 2.0 pcf ASTM C578 expanded polystyrene board	-240.0
	Min. ¼-inch DensDeck, DensDeck Prime or Securock	-245.0
	Min. 1.5-inch ACFoam II, ACFoam III, ISO 95+ GL, H-Shield, H-Shield CG, ENRGY 3 or Multi-Max FA3	-270.0
Sanded Surface Modified Bitumen	Min. 1.5-inch, min. 1.25 pcf ASTM C578 expanded polystyrene board	-87.5
	Min. 1.5-inch, min. 1.5 pcf ASTM C578 expanded polystyrene board	-180.0
	Min. 1.5-inch, min. 2.0 pcf ASTM C578 expanded polystyrene board	-222.5
	Min. ¼-inch DensDeck, DensDeck Prime or Securock	-222.5
	Min. 1.5-inch ACFoam II, ACFoam III, ISO 95+ GL, H-Shield, H-Shield CG, ENRGY 3 or Multi-Max FA3	-222.5
Smooth Surface Built-Up Roof	Min. 1.5-inch, min. 1.25 pcf ASTM C578 expanded polystyrene board	-87.5
	Min. 1.5-inch, min. 1.5 pcf ASTM C578 expanded polystyrene board	-180.0
	Min. 1.5-inch, min. 2.0 pcf ASTM C578 expanded polystyrene board	-240.0
	Min. ¼-inch DensDeck, DensDeck Prime or Securock	-245.0
	Min. 1.5-inch ACFoam II, ACFoam III, ISO 95+ GL, H-Shield, H-Shield CG, ENRGY 3 or Multi-Max FA3	-262.5

Table 2: TITESET® Performance Data – Rigid Board Insulation with Coverboard			
Substrate	**Insulation**	**Coverboard**	**MDP (psf)**
Plywood or OSB Deck	Min. 1.5-inch, min. 1.25 pcf ASTM C578 expanded polystyrene board	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple Fiber Base HD1, Fiber Base HD6, Structodek HD Fiberboard, Hubert ½ in. HD Coated Fiberboard, GP High Density Roof Fiberboard or DuraBoard, nominal ½-inch plywood or OSB	-52.5
	Min. 1.5-inch ACFoam II, ACFoam III, ISO 95+ GL, H-Shield, H-Shield CG, ENRGY 3 or Multi-Max FA3	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple Fiber Base HD1, Fiber Base HD6, Structodek HD Fiberboard, Hubert ½ in. HD Coated Fiberboard, GP High Density Roof Fiberboard or DuraBoard, nominal ½-inch plywood or OSB	-52.5
Galvanized Steel	Min. 1.5-inch ACFoam II, ACFoam III, ISO 95+ GL, H-Shield, H-Shield CG, ENRGY 3 or Multi-Max FA3	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple Fiber Base HD1, Fiber Base HD6, Structodek HD Fiberboard, Hubert ½ in. HD Coated Fiberboard, GP High Density Roof Fiberboard or DuraBoard, nominal ½-inch plywood or OSB	-52.5
Structural Concrete Deck	Min. 1.5-inch, min. 1.25 pcf ASTM C578 expanded polystyrene board	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple Fiber Base HD1, Fiber Base HD6, Structodek HD Fiberboard, Hubert ½ in. HD Coated Fiberboard, GP High Density Roof Fiberboard or DuraBoard, nominal ½-inch plywood or OSB	-87.5
	Min. 1.5-inch, min. 1.5 pcf ASTM C578 expanded polystyrene board	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple Fiber Base HD1, Fiber Base HD6, Structodek HD Fiberboard or DuraBoard, nominal ½-inch plywood or OSB	-180.0
	Min. 1.5-inch, min. 2.0 pcf ASTM C578 expanded polystyrene board	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple HD6 or Structodek HD Fiberboard or nominal ½-inch plywood or OSB	-240.0
	Min. 1.5-inch ACFoam II, ACFoam III, ISO 95+ GL, H-Shield, H-Shield CG, ENRGY 3 or Multi-Max FA3	Min. ¼-inch DensDeck, DensDeck Prime or Securock or Min. ½-inch Temple HD6 or Structodek HD Fiberboard	-270.0
Cellular Lightweight Concrete	Min. 1.5-inch, min. 1.25 pcf ASTM C578 expanded polystyrene board	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple Fiber Base HD1, Fiber Base HD6, Structodek HD Fiberboard, Hubert ½ in. HD Coated Fiberboard, GP High Density Roof Fiberboard or DuraBoard, nominal ½-inch plywood or OSB	-87.5
	Min. 1.5-inch, min. 1.5 pcf ASTM C578 expanded polystyrene board	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple Fiber Base HD1, Fiber Base HD6, Structodek HD Fiberboard or DuraBoard, nominal ½-inch plywood or OSB	-180.0
	Min. 1.5-inch, min. 2.0 pcf ASTM C578 expanded polystyrene board	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple HD6 or Structodek HD Fiberboard or nominal ½-inch plywood or OSB	-215.0
	Min. 1.5-inch ACFoam II, ACFoam III, ISO 95+ GL, H-Shield, H-Shield CG, ENRGY 3 or Multi-Max FA3	Min. ¼-inch DensDeck, DensDeck Prime or Securock or Min. ½-inch Temple HD6 or Structodek HD Fiberboard	-215.0
Tectum or Fibroplank Deck	Min. 1.5-inch, min. 1.25 pcf ASTM C578 expanded polystyrene board	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple Fiber Base HD1, Fiber Base HD6, Structodek HD Fiberboard, Hubert ½ in. HD Coated Fiberboard, GP High Density Roof Fiberboard or DuraBoard, nominal ½-inch plywood or OSB	-52.5
	Min. 1.5-inch ACFoam II, ACFoam III, ISO 95+ GL, H-Shield, H-Shield CG, ENRGY 3 or Multi-Max FA3	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple Fiber Base HD1, Fiber Base HD6, Structodek HD Fiberboard, Hubert ½ in. HD Coated Fiberboard, GP High Density Roof Fiberboard or DuraBoard, nominal ½-inch plywood or OSB	-52.5

Table 2 (Continued): TITESET® Performance Data – Rigid Board Insulation with Coverboard			
Substrate	**Insulation**	**Coverboard**	**MDP (psf)**
Existing Gypsum Deck	Min. 1.5-inch, min. 1.25 pcf ASTM C578 expanded polystyrene board	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple Fiber Base HD1, Fiber Base HD6, Structodek HD Fiberboard, Hubert ½ in. HD Coated Fiberboard, GP High Density Roof Fiberboard or DuraBoard, nominal ½-inch plywood or OSB	-87.5
	Min. 1.5-inch, min. 1.5 pcf ASTM C578 expanded polystyrene board	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple Fiber Base HD1, Fiber Base HD6, Structodek HD Fiberboard or DuraBoard, nominal ½-inch plywood or OSB	-180.0
	Min. 1.5-inch, min. 2.0 pcf ASTM C578 expanded polystyrene board	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple HD6 or Structodek HD Fiberboard or nominal ½-inch plywood or OSB	-240.0
	Min. 1.5-inch ACFoam II, ACFoam III, ISO 95+ GL, H-Shield, H-Shield CG, ENRGY 3 or Multi-Max FA3	Min. ¼-inch DensDeck, DensDeck Prime or Securock or Min. ½-inch Temple HD6 or Structodek HD Fiberboard	-257.5
Granule Surface Modified Bitumen	Min. 1.5-inch, min. 1.25 pcf ASTM C578 expanded polystyrene board	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple Fiber Base HD1, Fiber Base HD6, Structodek HD Fiberboard, Hubert ½ in. HD Coated Fiberboard, GP High Density Roof Fiberboard or DuraBoard, nominal ½-inch plywood or OSB	-87.5
	Min. 1.5-inch, min. 1.5 pcf ASTM C578 expanded polystyrene board	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple Fiber Base HD1, Fiber Base HD6, Structodek HD Fiberboard or DuraBoard, nominal ½-inch plywood or OSB	-180.0
	Min. 1.5-inch, min. 2.0 pcf ASTM C578 expanded polystyrene board	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple HD6 or Structodek HD Fiberboard or nominal ½-inch plywood or OSB	-240.0
	Min. 1.5-inch ACFoam II, ACFoam III, ISO 95+ GL, H-Shield, H-Shield CG, ENRGY 3 or Multi-Max FA3	Min. ¼-inch DensDeck, DensDeck Prime or Securock or Min. ½-inch Temple HD6 or Structodek HD Fiberboard	-270.0
Sanded Surface Modified Bitumen	Min. 1.5-inch, min. 1.25 pcf ASTM C578 expanded polystyrene board	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple Fiber Base HD1, Fiber Base HD6, Structodek HD Fiberboard, Hubert ½ in. HD Coated Fiberboard, GP High Density Roof Fiberboard or DuraBoard, nominal ½-inch plywood or OSB	-87.5
	Min. 1.5-inch, min. 1.5 pcf ASTM C578 expanded polystyrene board	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple Fiber Base HD1, Fiber Base HD6, Structodek HD Fiberboard or DuraBoard, nominal ½-inch plywood or OSB	-180.0
	Min. 1.5-inch, min. 2.0 pcf ASTM C578 expanded polystyrene board	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple HD6 or Structodek HD Fiberboard or nominal ½-inch plywood or OSB	-222.5
	Min. 1.5-inch ACFoam II, ACFoam III, ISO 95+ GL, H-Shield, H-Shield CG, ENRGY 3 or Multi-Max FA3	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple HD6 or Structodek HD Fiberboard or nominal ½-inch plywood or OSB	-222.5
Smooth Surface Built-Up Roof	Min. 1.5-inch, min. 1.25 pcf ASTM C578 expanded polystyrene board	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple Fiber Base HD1, Fiber Base HD6, Structodek HD Fiberboard, Hubert ½ in. HD Coated Fiberboard, GP High Density Roof Fiberboard or DuraBoard, nominal ½-inch plywood or OSB	-87.5
	Min. 1.5-inch, min. 1.5 pcf ASTM C578 expanded polystyrene board	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple Fiber Base HD1, Fiber Base HD6, Structodek HD Fiberboard or DuraBoard, nominal ½-inch plywood or OSB	-180.0
	Min. 1.5-inch, min. 2.0 pcf ASTM C578 expanded polystyrene board	Min. ¼-inch DensDeck, DensDeck Prime, Securock or Invinsa Roof Board or Min. ½-inch Temple HD6 or Structodek HD Fiberboard or nominal ½-inch plywood or OSB	-240.0
	Min. 1.5-inch ACFoam II, ACFoam III, ISO 95+ GL, H-Shield, H-Shield CG, ENRGY 3 or Multi-Max FA3	Min. ¼-inch DensDeck, DensDeck Prime or Securock or Min. ½-inch Temple HD6 or Structodek HD Fiberboard	-262.5