



MIAMI-DADE COUNTY  
**PRODUCT CONTROL SECTION**  
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DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
 BOARD AND CODE ADMINISTRATION DIVISION

**NOTICE OF ACCEPTANCE (NOA)**

**Johns Manville Corporation**  
 717 17th Street  
 Denver, CO 80202

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Johns Manville Built-Up Roofing Systems Over Concrete Decks.**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA 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 NOA renews and revises NOA No. 16-0413.11 and consists of pages 1 through 15.  
 The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 21-0303.14  
 Expiration Date: 07/19/26  
 Approval Date: 06/03/21  
 Page 1 of 15

## ROOFING SYSTEM APPROVAL

<b>Category:</b>	Roofing
<b>Sub-Category:</b>	Built-up Roofing
<b>Materials:</b>	Fiberglass
<b>Deck Type:</b>	Concrete
<b>Maximum Design Pressure:</b>	-277.5 psf.

### TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
DynaBase	54'-10" x 36"	ASTM D6163 Type I Grade S	An SBS modified bitumen coated, fiber glass reinforced base sheet.
GlasBase Plus	36" x 108'	ASTM D4601	Type II asphalt impregnated and coated glass fiber base sheet for use in conventional and modified bitumen built-up roofing.
PermaPly 28	36" x 106'	ASTM D4601	Type II asphalt impregnated and coated glass fiber base sheet for use in conventional and modified bitumen built-up roofing.
Ventsulation Felt	36" x 36'	ASTM D4897 Type II	Heavy duty fiber glass base sheet impregnated and coated on both sides with asphalt with or without fine mineral stabilizer. Surfaced on the bottom side with coarse mineral granules embedded in asphaltic coating.
GlasPly IV	36" x 180'	ASTM D2178 Type IV	Type IV asphalt impregnated glass felt for use in conventional and modified bitumen built-up roofing.
GlasPly Premier	36" x 180'	ASTM D2178 Type VI	Type VI asphalt impregnated glass felt for use in conventional and modified bitumen built-up roofing.
GlasKap	36" x 36"	ASTM D3909	Asphalt impregnated and coated felt surfaced with mineral granules used as the top ply in conventional built-up roof membranes.
GlasKap Plus	39-3/8" x 34'	ASTM D3909	SBS Modified Asphaltic cap sheet used as the top ply in conventional built-up roof membranes.
Bestile Industrial Roof Cement	N/A	ASTM D4586 Type II	General purpose medium trowel grade, cement cutback asphalt mastic reinforced with non-asbestos fibers and mineral stabilizers.
MBR Flashing Cement Activator	N/A	Proprietary	Activator component for use with MBR Flashing Cement Base



<b><u>Product</u></b>	<b><u>Dimensions</u></b>	<b><u>Test Specification</u></b>	<b><u>Product Description</u></b>
MBR Flashing Cement Base	N/A	Proprietary	A two-component elastomeric, cold application adhesive, consisting of a modified proprietary compound with an asphalt base.
MBR Bonding Adhesive	N/A	Proprietary	A two-part insulation and membrane adhesive
JM Urethane Insulation Adhesive	N/A	Proprietary	Urethane insulation adhesive.

**APPROVED INSULATIONS:**

**TABLE 2**

<b>Product Name</b>	<b>Product Description</b>	<b>Manufacturer (With Current NOA)</b>
ENRGY 3, ENRGY 3 25 PSI, ValuTherm, ValuTherm 25 PSI, R-Panel, R-Panel 25 PSI	Isocyanurate Insulation.	Johns Manville
ENRGY 3 AGF, ENRGY 3 AGF 25 PSI, ENRGY 3 CGF, ENRGY 3 CGF 25 PSI, ValuTherm CGF, ValuTherm CGF 25 PSI, ValuTherm AGF, ValuTherm AGF 25 PSI	Isocyanurate Insulation with glass reinforced facers	Johns Manville
Fesco Foam	Isocyanurate Insulation with perlite facer	Johns Manville
Retro-Fit Board	High-density perlite roof insulation.	Johns Manville
Fesco Board, Dura Board, Tapered Fesco Board	Rigid perlite roof insulation board.	Johns Manville
ACFoam II	Isocyanurate Insulation	Atlas Roofing Corp.
Structodek® High Density Fiber Board Roof Insulation	High density wood fiber insulation board	Blue Ridge Fiberboard, Inc.
DensDeck	Silicon treated gypsum	Georgia-Pacific Gypsum LLC
ISO 95+ GL	Polyisocyanurate foam insulation	Firestone Building Products Company, LLC
Multi-Max FA-3	Polyisocyanurate foam insulation	Rmax, A Business Unit of Sika Corporation



**APPROVED FASTENERS:**

**TABLE 3**

<b>Fastener Number</b>	<b>Product Name</b>	<b>Product Description</b>	<b>Dimensions</b>	<b>Manufacturer (With Current NOA)</b>
1.	N/A	N/A	N/A	N/A

**EVIDENCE SUBMITTED:**

<b><u>Test Agency/Identifier</u></b>	<b><u>Name</u></b>	<b><u>Report</u></b>	<b><u>Date</u></b>
FM Approvals	3007148	Class 4450	04/19/00
	3012974	Class 4450	06/03/02
	3037540	Class 4450	10/20/10
Trinity  ERD	J7670.06.08	ASTM D3909	06/16/08
UL LLC	R10167	UL 790	05/12/21
Independent Roof Testing & Consultants of South Florida	IRT 99006	TAS 114	01/20/99
	IRT 99007	TAS 114	01/20/99
PRI Construction Materials Technologies, LLC	JMC-069-02-01.1	ASTM D3909	05/26/16
	JMC-070-02-01	ASTM D2178 Type IV	04/17/12
	JMC-071-02-01	ASTM D2178 TYPE VI	04/17/12
	JMC-072-02-02.1	ASTM D4601	05/25/16
	JMC-072-02-03	ASTM D4601	06/14/12
	JMC-074-02-01	ASTM D4897 Type II	04/17/12
	JMC-093-02-01	ASTM D4601 TYPE II	08/02/12
	507T0079	ASTM 3909	10/1/20
	JMC-171-02-01	ASTM D6163	01/10/14
	JMC-107-02-01 .7	ASTM D 903	03/31/16
		ASTM D 1876	
		ASTM D 5147	
		TAS 117(B)	
	TAS 117(A)		
	TAS 114(C)		



## APPROVED ASSEMBLIES

**Membrane Type:** BUR

**Deck Type 3I:** Concrete Decks, Insulated

**Deck Description:** 2500 psi structural concrete or concrete plank

**System Type A(1):** All layers of insulation adhered to deck.

**All General and System limitations apply.**

One or more layers of any of the following insulations:

<b>Base Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 CGF, ENRGY 3 CGF 25 PSI, ENRGY 3 AGF, ENRGY 3 AGF 25 PSI, ValuTherm, ValuTherm 25 PSI, ValuTherm CGF, ValuTherm CGF 25 PSI, ValuTherm AGF, ValuTherm AGF 25 PSI, R-Panel, R-Panel 25 PSI, AC Foam II, ISO 95+ GL, Multi-Max FA-3 Minimum 1.5" thick</b>	N/A	N/A
<b>Top Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>Fesco Board Minimum 3/4" thick</b>	N/A	N/A

**Note: All layers of insulation shall be adhered with JM Urethane Insulation Adhesive in 1/2" wide beads at maximum spacing of 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.**

**Base Sheet:** (Optional) PermaPly 28, GlasBase Plus, DynaBase, GlasPly Premier or GlasPly IV applied to the insulation in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Ply Sheet:** Two or more plies of GlasPly IV or GlasPly Premier ply sheet adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Cap Sheet:** (Optional) One ply of GlasKap or GlasKap Plus adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Surfacing:** (Required if no cap sheet is used) Install the following:

1. Flood coat and gravel/slag with an application rate of 60 lbs./sq. & 400 lbs./sq., respectively.

**Maximum Design Pressure:** -112.5 psf. (See General Limitation #9)



**Membrane Type:** BUR  
**Deck Type 3I:** Concrete Decks, Insulated  
**Deck Description:** 2500 psi structural concrete or concrete plank  
**System Type A(2):** All layers of insulation adhered to deck.

**All General and System limitations apply.**

One or more layers of any of the following insulations:

<b>Base Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 CGF, ENRGY 3 CGF 25 PSI, ENRGY 3 AGF, ENRGY 3 AGF 25 PSI, ValuTherm, ValuTherm 25 PSI, ValuTherm CGF, ValuTherm CGF 25 PSI, ValuTherm AGF, ValuTherm AGF 25 PSI, R-Panel, R-Panel 25 PSI, AC Foam II, ISO 95+ GL or Multi-Max FA-3 Minimum 1.5" thick</b>	N/A	N/A
<b>Top Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>DensDeck, Structodek<sup>®</sup> High Density Fiber Board Roof Insulation Minimum ½" thick</b>	N/A	N/A

**Note:** All layers of insulation shall be adhered with JM Urethane Insulation Adhesive in ½" wide beads at maximum spacing of 6" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

**Base Sheet:** (Optional) PermaPly 28, GlasBase Plus, DynaBase, GlasPly Premier or GlasPly IV applied to the insulation in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Ply Sheet:** Two or more plies (three plies required if neither a base sheet nor a cap sheet is used) of GlasPly IV or GlasPly Premier ply sheet adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Cap Sheet:** (Optional) One ply of GlasKap or GlasKap Plus adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Surfacing:** (Required if no cap sheet is used) Install the following:

1. Flood coat and gravel/slag with an application rate of 60 lbs./sq. & 400 lbs./sq., respectively.

**Maximum Design Pressure:** -217.5 psf. (See General Limitation #9)



**Membrane Type:** BUR  
**Deck Type 3I:** Concrete Decks, Insulated  
**Deck Description:** 2500 psi structural concrete or concrete plank  
**System Type A(3):** All layers of insulation adhered to deck.

**All General and System limitations apply.**

One or more layers of any of the following insulations:

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft <sup>2</sup>
ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 CGF, ENRGY 3 CGF 25 PSI, ENRGY 3 AGF, ENRGY 3 AGF 25 PSI, ValuTherm, ValuTherm 25 PSI, ValuTherm CGF, ValuTherm CGF 25 PSI, ValuTherm AGF, ValuTherm AGF 25 PSI, R-Panel, R-Panel 25 PSI, AC Foam II, ISO 95+ GL, Multi-Max FA-3 Minimum 1.5" thick	N/A	N/A

**Note:** All layers of insulation shall be adhered with JM Urethane Insulation Adhesive in ½" wide beads at maximum spacing of 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

**Base Sheet:** (Optional) PermaPly 28, GlasBase Plus, DynaBase, GlasPly Premier or GlasPly IV applied to the insulation in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. If base sheet is applied directly to polyisocyanurate insulation only a spot or strip mopped application as detailed in this approval is approved; **See General Limitation #4 Maximum Design Pressure -45 psf. applies.**

**Ply Sheet:** Two or more plies (three plies required if neither a base sheet nor a cap sheet is used) of GlasPly IV or GlasPly Premier ply sheet adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. If ply sheet is applied directly to polyisocyanurate insulation only a spot or strip mopped application as detailed in this approval is approved; **See General Limitation #4 Maximum Design Pressure -45 psf. applies.**

**Cap Sheet:** (Optional) One ply of GlasKap or GlasKap Plus adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Surfacing:** (Required if no cap sheet is used) Install the following:

1. Flood coat and gravel/slag with an application rate of 60 lbs./sq. & 400 lbs./sq., respectively.

**Maximum Design Pressure:** -187.5 psf. (See General Limitation #9)



**Membrane Type:** BUR  
**Deck Type 3I:** Concrete Decks, Insulated  
**Deck Description:** 2500 psi structural concrete or concrete plank  
**System Type A(4):** All layers of insulation adhered to deck.

**All General and System limitations apply.**

One or more layers of any of the following insulations:

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft <sup>2</sup>
ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 CGF, ENRGY 3 CGF 25 PSI, ENRGY 3 AGF, ENRGY 3 AGF 25 PSI, ValuTherm, ValuTherm 25 PSI, ValuTherm CGF, ValuTherm CGF 25 PSI, ValuTherm AGF, ValuTherm AGF 25 PSI, R-Panel, R-Panel 25 PSI, AC Foam II, ISO 95+ GL, Multi-Max FA-3 Minimum 1.5" thick	N/A	N/A

**Note:** All layers of insulation shall be adhered with JM Urethane Insulation Adhesive in ½" wide beads at maximum spacing of 6" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

**Base Sheet:** (Optional) PermaPly 28, GlasBase Plus, DynaBase, GlasPly Premier or GlasPly IV applied to the insulation in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. If base sheet is applied directly to polyisocyanurate insulation only a spot or strip mopped application as detailed in this approval is approved; **See General Limitation #4 Maximum Design Pressure -45 psf. applies.**

**Ply Sheet:** Two or more plies (three plies required if neither a base sheet nor a cap sheet is used) of GlasPly IV or GlasPly Premier ply sheet adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. If ply sheet is applied directly to polyisocyanurate insulation only a spot or strip mopped application as detailed in this approval is approved; **See General Limitation #4 Maximum Design Pressure -45 psf. applies.**

**Cap Sheet:** (Optional) One ply of GlasKap or GlasKap Plus adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Surfacing:** (Required if no cap sheet is used) Install the following:

1. Flood coat and gravel/slag with an application rate of 60 lbs./sq. & 400 lbs./sq., respectively.

**Maximum Design Pressure:** -277.5 psf. (See General Limitation #9)





**Membrane Type:** BUR  
**Deck Type 3I:** Concrete Decks, Insulated  
**Deck Description:** 2500 psi structural concrete or concrete plank  
**System Type A(5):** Optional anchor sheet adhered with approved asphalt; all layers of insulation adhered with approved asphalt.

**All General and System limitations apply.**

One or more layers of any of the following insulations:

<b>Base Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>Retro-Fit Board, DuraBoard Minimum ½" thick</b>	N/A	N/A
<b>Top Insulation Layer (Optional)</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>

Any insulations listed for Base Layer, above

**Note: Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of base sheet. All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft<sup>2</sup>. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels used as a top layer shall be placed with the polyisocyanurate side facing down.**

**Anchor Sheet:** (Optional) One ply of Ventsulation Felt, GlasBase Plus or PermaPly 28 in a spot mopping of approved asphalt, 12" diameter circles, 24" o.c. at a rate of 12 lbs./sq. If anchor sheet is applied directly to polyisocyanurate insulation only a spot or strip mopped application as detailed in this approval is approved; **See General Limitation #4 Maximum Design Pressure -45 psf. applies.**

**Base Sheet:** (Optional) Install one ply of GlasBase Plus or PermaPly 28 directly to the insulated substrate. Adhere in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. If base sheet is applied directly to polyisocyanurate insulation only a spot or strip mopped application as detailed in this approval is approved; **See General Limitation #4 Maximum Design Pressure -45 psf. applies.**

**Ply Sheet:** Two or more plies of GlasPly IV or GlasPly Premier adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. If ply sheet is applied directly to polyisocyanurate insulation only a spot or strip mopped application as detailed in this approval is approved; **See General Limitation #4 Maximum Design Pressure -45 psf. applies.**

**Cap Sheet:** (Optional) One ply of GlasKap or GlasKap Plus adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Surfacing:** (Required if no cap sheet is used) Install the following:  
 1. Flood coat and gravel/slag with an application rate of 60 lbs./sq. & 400 lbs./sq., respectively.

**Maximum Design Pressure:** -90 psf. (See General Limitation #9)



**Membrane Type:** BUR  
**Deck Type 3I:** Concrete Decks, Insulated  
**Deck Description:** 2500 psi structural concrete or concrete plank  
**System Type A(6):** Optional base sheet adhered with approved asphalt; one or more layers of insulation adhered with approved asphalt.

**All General and System limitations apply.**

One or more layers of any of the following insulations:

<b>Base Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>ENRGY 3 CGF, ENRGY 3 CGF 25 PSI, ValuTherm CGF, ValuTherm CGF 25 PSI Minimum 1.5” thick</b>	N/A	N/A
<b>Top Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>Retro-Fit Board, DuraBoard Minimum ½” thick</b>	N/A	N/A

**Note: Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of base sheet. All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft<sup>2</sup>. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels used as a top layer shall be placed with the polyisocyanurate side facing down.**

**Base Sheet:** (Optional) One ply of GlasPly Premier, GlasPly IV, PermaPly 28, or GlasBase Plus adhere in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. If base sheet is applied directly to polyisocyanurate insulation only a spot or strip mopped application as detailed in this approval is approved; **See General Limitation #4 Maximum Design Pressure -45 psf. applies.**

**Ply Sheet:** Three or more plies of GlasPly IV or GlasPly Premier adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. If ply sheet is applied directly to polyisocyanurate insulation only a spot or strip mopped application as detailed in this approval is approved; **See General Limitation #4 Maximum Design Pressure -45 psf. applies.**

**Cap Sheet:** (Optional) One ply of GlasKap or GlasKap Plus adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Surfacing:** (Required if no cap sheet is used) Install the following:  
 1. Flood coat and gravel/slag with an application rate of 60 lbs./sq. & 400 lbs./sq., respectively.

**Maximum Design Pressure:** -277.5 psf (See General Limitation #9)



**Membrane Type:** BUR  
**Deck Type 3I:** Concrete Decks, Insulated  
**Deck Description:** 2500 psi structural concrete or concrete plank  
**System Type A(7):** Optional base sheet adhered with approved asphalt; one or more layers of insulation adhered with approved asphalt.

**All General and System limitations apply.**

One or more layers of any of the following insulations:

<b>Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 CGF, ENRGY 3 CGF 25 PSI, ENRGY 3 AGF, ENRGY 3 AGF 25 PSI, Fesco Foam, ValuTherm, ValuTherm 25 PSI, ValuTherm CGF, ValuTherm CGF 25 PSI, ValuTherm AGF, ValuTherm AGF 25 PSI, R-Panel, R-Panel 25 PSI Minimum 1.5” thick</b>	N/A	N/A
<b>Fesco Board Minimum 1” thick</b>	N/A	N/A
<b>Retro-Fit Board, DuraBoard Minimum ½” thick</b>	N/A	N/A

**Note:** Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of base sheet. All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft<sup>2</sup>. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels used as a top layer shall be placed with the polyisocyanurate side facing down.

**Base Sheet:** (Optional) Install one ply of GlasBase Plus or PermaPly 28 directly to the insulated substrate. Adhere in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. If base sheet is applied directly to polyisocyanurate insulation only a spot or strip mopped application as detailed in this approval is approved; **See General Limitation #4 Maximum Design Pressure -45 psf. applies.**

**Ply Sheet:** Three or more plies of GlasPly IV or GlasPly Premier adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. If ply sheet is applied directly to polyisocyanurate insulation only a spot or strip mopped application as detailed in this approval is approved; **See General Limitation #4 Maximum Design Pressure -45 psf. applies.**

**Cap Sheet:** (Optional) One ply of GlasKap or GlasKap Plus adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Surfacing:** (Required if no cap sheet is used) Install the following:  
 1. Flood coat and gravel/slag with an application rate of 60 lbs./sq. & 400 lbs./sq., respectively.

**Maximum Design Pressure:** -150 psf. (See General Limitation #9)



**Membrane Type:** BUR  
**Deck Type 3I:** Concrete Decks, Insulated  
**Deck Description:** 2500 psi structural concrete or concrete plank  
**System Type A(8):** Fesco insulation adhered with approved asphalt.

**All General and System limitations apply.**

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft <sup>2</sup>
Fesco Board Minimum 3/4" thick	N/A	N/A

**Note:** Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of base sheet. All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft<sup>2</sup>. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels used as a top layer shall be placed with the polyisocyanurate side facing down.

**Base Sheet:** (Optional) Install one ply of GlasBase Plus or PermaPly 28 directly to the insulated substrate. Adhere in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Ply Sheet:** Three or more plies of GlasPly Premier, GlasPly IV adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Cap Sheet:** (Optional) One ply of GlasKap or GlasKap Plus adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Surfacing:** (Required if no cap sheet is used) Install the following:

1. Flood coat and gravel/slag with an application rate of 60 lbs./sq. & 400 lbs./sq., respectively.

**Maximum Design Pressure:** -112.5 psf. (See General Limitation #9)



**Membrane Type:** BUR

**Deck Type 3:** Concrete Decks, Non-Insulated

**Deck Description:** 2500 psi structural concrete or concrete plank

**System Type F(1):** Base sheet adhered with approved asphalt.

**All General and System limitations apply.**

**Note: Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of base sheet.**

**Base Sheet:** Install one ply of GlasPly Premier, GlasPly IV, GlasBase Plus, DynaBase, or PermaPly 28 base sheet directly to the concrete substrate. Adhere in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Note: A vented base sheet is not approved for use with this assembly.**

**Ply Sheet:** Two or more plies of GlasPly IV or GlasPly Premier adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Cap Sheet:** (Optional) One ply of GlasKap or GlasKap Plus adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Surfacing:** (Required if no cap sheet is used) Install the following:

1. Flood coat and gravel/slag with an application rate of 60 lbs./sq. & 400 lbs./sq., respectively.

**Maximum Design Pressure:** -275 psf. (See General Limitation #9)



**Membrane Type:** BUR

**Deck Type 3:** Concrete Decks, Non-Insulated

**Deck Description:** 2500 psi structural concrete or concrete plank

**System Type F(2):** Base sheet adhered with full mopping of approved asphalt.

**All General and System limitations apply.**

**Note: Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of base sheet.**

**Base Sheet:** Two or more plies of GlasBase Plus, DynaBase, GlasPly Premier, or GlasPly IV applied to the insulation in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Cap Sheet:** (Optional) One ply of GlasKap or GlasKap Plus adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Surfacing:** (Required if no cap sheet is used) Install the following:

1. Flood coat and gravel/slag with an application rate of 60 lbs./sq. & 400 lbs./sq., respectively.

**Maximum Design Pressure:** -275 psf. (See General Limitation #9)



## CONCRETE DECK SYSTEM LIMITATIONS:

1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine equivalent or enhanced fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117; calculations shall be signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant.

## GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each side lap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq.  
**Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.**
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. Insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

**END OF THIS ACCEPTANCE**



NOA No.: 21-0303.14  
Expiration Date: 07/19/26  
Approval Date: 06/03/21  
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