



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

**NOTICE OF ACCEPTANCE (NOA)**

---

**Polyglass USA, Inc.**  
150 Lyon Drive  
Fernley, NV 89408

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 and the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Polyglass Modified Bitumen Roof System Over Recover 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. 03-0612.11 and consists of pages 1 through 26.  
The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 07-1030.02  
Expiration Date: 07/13/13  
Approval Date: 04/10/08  
Page 1 of 26

## ROOFING ASSEMBLY APPROVAL

Category: Roofing  
Sub-Category: Modified Bitumen  
Materials: SBS/APP/TPO  
Deck Type: Recover  
Maximum Design Pressure: See specific system assemblies.

### 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>
Polyflex	32' 10" x 3' 3-3/8"	ASTM D 6222	Torch applied, polyester reinforced, APP modified bitumen membrane with a burn off polyethylene back face and a smooth or sanded top surface.
Polyflex G	32' 10" x 3' 3-3/8"	ASTM D 6222	Torch applied, polyester reinforced, APP modified bitumen membrane with a burn off polyethylene back face and a granule top surface.
Polyflex G FR	32' 10" x 3' 3-3/8"	ASTM D 6222	Torch applied, polyester reinforced, APP modified bitumen membrane with a burn off polyethylene back face and a granule top surface and fire retardant chemistry.
Polybond	32' 10" x 3' 3-3/8"	ASTM D 6222	Torch applied, polyester reinforced, APP modified bitumen membrane with a burn off polyethylene back face and a smooth or sanded top surface.
Polybond G	32' 10" x 3' 3-3/8"	ASTM D 6222	Torch applied, polyester reinforced, APP modified bitumen membrane with a burn off polyethylene back face and a granule top surface.
Elastoflex S6	32' 10" x 3' 3-3/8"	ASTM D 6164	Torch, hot asphalt or cold adhesive applied, polyester reinforced, SBS modified bitumen membrane with a burn off polyethylene or sanded back face and a polyethylene or sanded top surface.
Elastoflex S6 G	32' 10" x 3' 3-3/8"	ASTM D 6164	Torch, hot asphalt or cold adhesive applied, polyester reinforced, SBS modified bitumen membrane with a burn off polyethylene or sanded back face and a granule top surface.
Elastoflex S6 G FR	32' 10" x 3' 3-3/8"	ASTM D 6164	Torch, hot asphalt or cold adhesive applied, polyester reinforced, SBS modified bitumen membrane with a burn off polyethylene or sanded back face and a granule top surface and fire retardant chemistry.



NOA No.: 07-1030.02  
 Expiration Date: 07/13/13  
 Approval Date: 04/10/08  
 Page 2 of 26

Elastoshield TS4	32' 10" x 3' 3-3/8"	ASTM D 6164	Torch, hot asphalt or cold adhesive applied, polyester reinforced, SBS modified bitumen membrane with a burn off polyethylene or sanded back face and a granule top surface.
Elastoshield TS4 FR	32' 10" x 3' 3-3/8"	ASTM D 6164	Torch, hot asphalt or cold adhesive applied, polyester reinforced, SBS modified bitumen membrane with a burn off polyethylene or sanded back face and a granule top surface and fire retardant chemistry.
Elastoflex V	32' 10" x 3' 3-3/8"	ASTM D 6163	Torch, hot asphalt or cold adhesive applied, fiberglass reinforced, SBS modified bitumen membrane with a burn off polyethylene or sanded back face and a sanded top surface.
Elastoflex VG	32' 10" x 3' 3-3/8"	ASTM D 6163	Torch, hot asphalt or cold adhesive applied, fiberglass reinforced, SBS modified bitumen membrane with a burn off polyethylene or sanded back face and a granule top surface.
Elastoflex VG FR	32' 10" x 3' 3-3/8"	ASTM D 6163	Torch, hot asphalt or cold adhesive applied, fiberglass reinforced, SBS modified bitumen membrane with a burn off polyethylene or sanded back face and a granule top surface and fire retardant chemistry.
Xtraflex	32' 10" x 3' 6"	ASTM D 5147	Torch applied, polyester reinforced, TPO modified bitumen membrane with a burn off polyethylene back face and a smooth top surface.
Xtraflex G	32' 10" x 3' 6"	ASTM D 5147	Torch applied, polyester reinforced, TPO modified bitumen membrane with a burn off polyethylene back face and a granule top surface.
Xtraflex G FR	32' 10" x 3' 6"	ASTM D 5147	Torch applied, polyester reinforced, TPO modified bitumen membrane with a burn off polyethylene back face and a granule top surface and fire retardant chemistry.
Elastobase V	65' 2" x 3' 3-3/8"	ASTM D 4601	SBS modified asphalt coated fiberglass reinforced base sheet.
Elastobase P	65' 2" x 3' 3-3/8"	ASTM D 6164	SBS modified asphalt coated polyester reinforced base sheet.
Cold Process Adhesive	1, 5 or 55 gal.	ASTM D3019 Type III	A fibered cold process adhesive for use with roll or BUR roofing.
PG100 Asphalt Primer	1, 5, 55 gal. or 17 oz. spray can	ASTM D41	A penetrating solution of solvent and a blend of selected asphalts used to promote adhesion.
PG350 Mod Bit Adhesive	1, 5 or 55 gal.	ASTM D3019 Type III	A fibered rubberized adhesive designed for use with modified bitumen membranes.
PG400 Plastic Roof Cement	1, 5 gal. or tube	ASTM D4586 ASTM D3409	A thick, fibered, rubberized flashing cement for use in dry or damp conditions.
PG425 Wet/Dry Roof Cement	1, 5 gal. or tube	ASTM D4586 ASTM D3409	A thick, fibered, rubberized flashing cement for use in dry or damp conditions.
PG450 Flashing Cement	1, 5 gal. or tube	ASTM D4586	A thick, fibered, rubberized flashing cement.



PG500 MB Flashing Cement	1, 5 gal. or tube	ASTM D4586	A thick, fibered, rubberized flashing cement for use with modified bitumen membranes.
Polyplus 35 Premium Mod Bit Adhesive	1, 5 or 55 gal.	ASTM D3019 Type III	A fibered rubberized adhesive designed for use with modified bitumen membranes.
Polyplus 45 Premium Flashing Cement	1, 5 gal. or tube	ASTM D4586	A thick, fibered, rubberized flashing cement.
Polyplus 50 Premium MB Flashing Cement	1, 5 gal. or tube	ASTM D4586	A thick, fibered, rubberized flashing cement for use with modified bitumen membranes.

**APPROVED INSULATIONS:**

**TABLE 2**

<b>Product Name</b>	<b>Product Description</b>	<b>Manufacturer (With Current NOA)</b>
POLYTHERM	Polyisocyanurate foam insulation	Polyglass USA, Inc.
POLYTHERM Composite	Polyisocyanurate/perlite composite insulation.	Polyglass USA, Inc.
ACFoam II	Polyisocyanurate foam insulation	Atlas Energy Products
ACFoam III	Polyisocyanurate foam insulation	Atlas Energy Products
High Density Wood Fiberboard	Wood fiber insulation board	Generic
Perlite Insulation	Perlite insulation board	Generic
Dens-Deck or Dens Deck Prime	Gypsum insulation board	Georgia-Pacific
Armor Board High Density Wood Fiberboard	Wood fiber insulation board	Honeywell Int'l. Inc.
Hubert Fiberboard	Wood fiber board	Huebert Fiberboard, Inc.
ENRGY-3	Polyisocyanurate foam insulation	Johns Manville Corp.
Fesco Board	Expanded mineral fiber	Johns Manville Corp.
Structodek, Structodek FS	Wood fiber board	Masonitec
Securock	Fiber reinforced Coverboard	USG



**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.	Polygrip Fasteners #14 & #15	Insulation fastener for wood, steel and concrete decks		Polyglass USA, Inc.
2.	Polygrip Hex Plate	Galvalume hex stress plate.	2 7/8" x 3-1/4"	Polyglass USA, Inc.
3.	Polygrip 2-1/2" Membrane Plate	Galvalume barbed stress plate	2.5" round	Polyglass USA, Inc.
4.	Dekfast Fasteners #14 & #15	Insulation fastener for wood, steel and concrete decks		SFS Intec
5.	HWH Dekfast Fasteners	Insulation fastener for wood, and steel decks		SFS Intec
6.	Omega Fasteners	Insulation fastener for wood, and steel decks		SFS Intec
7.	Dekfast Hex Plate	Galvalume hex stress plate.	2 7/8" x 3 1/4"	SFS Intec
8.	Dekfast Autoset Plate	Galvalume stress plate.	2-7/8" x 3-1/4"	SFS Intec
9.	Dekfast 2 1/2" HS membrane Plate	Galvalume stress plate.	2.5" round	SFS Intec
10.	#14 & #15 Roofgrip Fasteners	Insulation fastener for wood, steel and concrete decks.		OMG
11.	Metal Plate	Galvalume stress plate.	3" round 3" square	OMG
12.	2-3/8" Round Barbed Seam Plates	Galvalume stress plate.	2-3/8" round	OMG
13.	#14 HD Insul-Fixx Fastener	Insulation fastener for wood, steel and concrete decks		SFS Intec
14.	Extra Load Fasteners	Insulation fastener for wood, steel and concrete decks		SFS Intec
15.	Insul-Fixx S Plate	Galvalume AZ50 steel plate	3" round	SFS Intec
16.	IF-2.375 Plates	Galvalume AZ55 steel plate	2.37" round	SFS Intec
17.	IF/IFT-70x70 Plates	Galvalume steel plate	2.75" square	SFS Intec
18.	FM-260 Base Ply Fastener	Pre-assembled Galvalume Base Sheet Fastener and stress plate.	Various	ES Products, Inc.



**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>
19.	FM-245 Base Ply Fastener	Pre-assembled Galvalume Base Sheet Fastener and stress plate.	Various	ES Products, Inc.
20.	FM-90 Base Ply Fastener	Pre-assembled Galvalume Base Sheet Fastener and stress plate	Various	ES Products, Inc.
21.	Roofgrip	Insulation fastener for wood, steel, and concrete decks.	Various	OMG

**APPROVED SURFACING:****TABLE 4**

<b>Number</b>	<b>Product Name</b>	<b>Product Description</b>	<b>Application Rate</b>	<b>Specification</b>	<b>Manufacturer</b>
1.	PG200 Non-Fibered Roof Coating	A non fibered asphaltic coating used to add life and rejuvenate existing BUR roofing substrates.	1½-2 gal/sq	TAS 140	Polyglass USA, Inc.
2.	PG300 Fibered Roof Coating	An asphalt cutback fibered roof coating. May be applied by brush or spray equipment to rejuvenate aged BUR	1½-2 gal/sq	ASTM D4479	Polyglass USA, Inc.
3.	PG600 Non-Fibered Aluminum Roof Coating	Non-fibered aluminum roof coating.	½-1 gal/sq	ASTM D2824 Type I	Polyglass USA, Inc.
4.	PG650 Fibered Aluminum Roof Coating	Fibered aluminum roof coating.	1½-2 gal/sq	ASTM D2824 Type III	Polyglass USA, Inc.
5.	PG700 White Reflective Roof Coating	A premium white elastomeric acrylic based roof coating (water-based). A polyester fabric may be used for reinforcement with this coating.	1-1½ gal/sq	ASTM D6083	Polyglass USA, Inc.
6.	PG800 Non-Fibered Asphalt Emulsion Roof Coating	An asphalt base, unfibered clay emulsion	3 gal/sq in two coats	ASTM D1227	Polyglass USA, Inc.
7.	PG850 Fibered Asphalt Emulsion Roof Coating	An asphalt base, fibered clay emulsion	3 gal/sq in two coats	ASTM D1227	Polyglass USA, Inc.



**APPROVED SURFACING:**

**TABLE 4**

<b>Number</b>	<b>Product Name</b>	<b>Product Description</b>	<b>Application Rate</b>	<b>Specification</b>	<b>Manufacturer</b>
8.	Polyplus 65 Premium Fibered Aluminum Roof Coating	Fibered aluminum roof coating.	1½-2 gal/sq	ASTM D2824 Type III	Polyglass USA, Inc.
9.	Polyplus 60 Premium Non-Fibered Aluminum Roof Coating	Non-fibered aluminum roof coating.	½-1 gal/sq	ASTM D2824 Type I	Polyglass USA, Inc.
10.	Polybrite 70 White Elastomeric Roof Coating	A premium white elastomeric acrylic based roof coating (water-based). A polyester fabric may be used for reinforcement with this coating.	1-1½ gal/sq	ASTM D6083	Polyglass USA, Inc.
11.	Mule-Hide 111 Non-Fibrated Roof Coating	A non-fibrated asphaltic coating used to add life and rejuvenate existing BUR roofing substrates.	1½-2 gal/sq	TAS 140	Mule-Hide Products Co., Inc.
12.	Mule-Hide 102 Fibrated Roof Coating	An asphalt cutback fibered roof coating. May be applied by brush or spray equipment to rejuvenate aged BUR	1½-2 gal/sq	ASTM D4479	Mule-Hide Products Co., Inc.
13.	Mule-Hide 416 Standard Non-Fibrated Aluminum Roof Coating	Non-fibrated aluminum roof coating.	½-1 gal/sq	ASTM D2824 Type I	Mule-Hide Products Co., Inc.
14.	Mule-Hide 406 Standard Fibrated Aluminum Roof Coating	Fibrated aluminum roof coating.	1½-2 gal/sq	ASTM D2824 Type III	Mule-Hide Products Co., Inc.
15.	Mule-Hide 401 Premium Fibrated Aluminum Roof Coating	Fibrated aluminum roof coating.	1½-2 gal/sq	ASTM D2824 Type III	Mule-Hide Products Co., Inc.
16.	Mule-Hide 410 Premium Non-Fibrated Aluminum Roof Coating	Non-fibrated aluminum roof coating.	½-1 gal/sq	ASTM D2824 Type I	Mule-Hide Products Co., Inc.
17.	Mule-Hide 311 Emulsion Non-Fibrated	An asphalt base, unfibered clay emulsion	3 gal/sq in two coats	ASTM D1227	Mule-Hide Products Co., Inc.
18.	Mule-Hide 301 Emulsion Fibrated	An asphalt base, fibered clay emulsion	3 gal/sq in two coats	ASTM D1227	Mule-Hide Products Co., Inc.



NOA No.: 07-1030.02  
 Expiration Date: 07/13/13  
 Approval Date: 04/10/08  
 Page 7 of 26

**APPROVED SURFACING:**

**TABLE 4**

<b>Number</b>	<b>Product Name</b>	<b>Product Description</b>	<b>Application Rate</b>	<b>Specification</b>	<b>Manufacturer</b>
19.	Gravel	To be installed in a flood coat of approved asphalt at 60 lbs/sq	400 lbs/sq	N/A	Generic
20.	Slag	To be installed in a flood coat of approved asphalt at 60 lbs/sq	300 lbs/sq	N/A	Generic

**EVIDENCE SUBMITTED:**

<b><u>Test Agency/Identifier</u></b>	<b><u>Report No.</u></b>	<b><u>Date</u></b>	
Factory Mutual Research Corporation	J.I. 2W7A7.AM	08.04.94	
	J.I. 3001334.	02.15.00	
	J.I. 3000857	01.12.00	
	J.I. 3004091	01.12.00	
	3014751	08.27.03	
	3023458	07.18.06	
	3014692	08.05.03	
	3012321	07.29.02	
	Trinity   ERD	#P1734.07.06-R1	02.27.07
		02843.02.05-1	02.10.05
P1739.01.07		01.23.07	
C8500SC.11.07		11.30.07	



**APPROVED ASSEMBLIES:**

**Deck Type 7I:** Recover over existing asphalt BUR

**Deck Description:** concrete / Steel

**System Type A(1):** One or more layers of insulation adhered with approved asphalt or adhesive.

**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>AC Foam II, ENRGY-3, H-Shield, Multi-Max FA3 Minimum 2" thick</b>	N/A	N/A

**Note: Apply insulation in WeatherTite One-Step Foamable Adhesive in ½" to ¾" continuous beads/ribbons spaced 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Additional layers of insulation should be adhered in WeatherTite One-Step Foamable Adhesive in ½" to ¾" continuous beads/ribbons spaced 12" o.c.**

**Base Sheet:** (Optional if using ply sheet in hot asphalt) One or more plies of Elastobase, Modibase, Perma Ply 28 or GAFGLAS #75 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Ply Sheet:** (Optional if using base sheet in hot asphalt) One or more plies of Polybond, Polyflex or Xtraflex torch applied or one ply of Elastobase, Modibase, Perma Ply 28, Elastoflex S6, Elastoflex V or Elastoflex V 2.5 or one to more plies of Type IV or VI ply sheet adhered to the coverboard in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Membrane:** One ply of Polyflex, Polflex G, Polyflex G FR, Polybond, Polybond G, Xtraflex, Xtraflex G or Xtraflex G FR torch applied or one ply of Elastoflex S6, Elastoflex S6 G, Elastoflex S6 G FR, Elastoshield TS4 or Elastoshield TS4 FR torch or hot asphalt applied.

**Surfacing:** (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

**Maximum Design Pressure:** -157.5 psf; (See General Limitation #9.)



**Deck Type 7I:** Recover over existing asphalt BUR

**Deck Description:** concrete / Steel

**System Type A(2):** One or more layers of insulation adhered with approved asphalt or adhesive.

**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>AC Foam II, ENRGY-3, H-Shield Minimum 2" 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>Securock Minimum ¼" thick</b>	N/A	N/A

**Note: Apply insulation in WeatherTite One-Step Foamable Adhesive in ½" to ¾" continuous beads/ribbons spaced 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Additional layers of insulation should be adhered in WeatherTite One-Step Foamable Adhesive in ½" to ¾" continuous beads/ribbons spaced 12" o.c.**

**Base Sheet:** One or more plies of Polyflex, Polybond torch applied.

**Membrane:** One ply of Polyflex G, Polyflex G FR, Polybond G torch applied.

**Surfacing:** (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

**Maximum Design Pressure:** -157.5 psf; (See General Limitation #9.)



**Deck Type 7I:** Recover over existing asphalt BUR

**Deck Description:** concrete / Steel

**System Type A(3):** One or more layers of insulation adhered with approved asphalt or adhesive.

**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>AC Foam II, ENRGY-3, H-Shield, EPS 2.0 pcf Minimum 1.5" thick</b>	N/A	N/A

**Note: Apply insulation in OlyBond 500 or SpotShot Adhesive in ¾" to 1" continuous beads/ribbons spaced 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Additional layers of insulation should be adhered in OlyBond 500 or SpotShot Adhesive in ¾" to 1" continuous beads/ribbons spaced 12" o.c.**

**Base Sheet:** (Optional if using ply sheet in hot asphalt) One or more plies of Elastobase, Modibase, Perma Ply 28 or GAFGLAS #75 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Ply Sheet:** (Optional if using base sheet in hot asphalt) One or more plies of Polybond, Polyflex or Xtraflex torch applied or one ply of Elastobase, Modibase, Perma Ply 28, Elastoflex S6, Elastoflex V or Elastoflex V 2.5 or one to more plies of Type IV or VI ply sheet adhered to the coverboard in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Membrane:** One ply of Polyflex, Polflex G, Polyflex G FR, Polybond, Polybond G, Xtraflex, Xtraflex G or Xtraflex G FR torch applied or one ply of Elastoflex S6, Elastoflex S6 G, Elastoflex S6 G FR, Elastoshield TS4 or Elastoshield TS4 FR torch or hot asphalt applied.

**Surfacing:** (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

**Maximum Design Pressure:** -120.0 psf; (See General Limitation #7.)



**Deck Type 7I:** Recover over existing asphalt BUR

**Deck Description:** concrete / Steel

**System Type A(4):** One or more layers of insulation adhered with approved asphalt or adhesive.

**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>AC Foam II, ENRGY-3, H-Shield, EPS 2.0 pcf 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>Securock Minimum ¼" thick</b>	N/A	N/A

**Note: Apply insulation in OlyBond 500 or SpotShot Adhesive in ¾" to 1" continuous beads/ribbons spaced 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Additional layers of insulation should be adhered in OlyBond 500 or SpotShot Adhesive in ¾" to 1" continuous beads/ribbons spaced 12" o.c.**

**Base Sheet:** One or more plies of Polyflex, Polybond torch applied.

**Membrane:** One ply of Polyflex G, Polyflex G FR, Polybond G torch applied.

**Surfacing:** (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

**Maximum Design Pressure:** -120.0 psf; (See General Limitation #7.)



**Deck Type 7I:** Recover over existing asphalt BUR or mineral surfaced cap

**Deck Description:** concrete / Steel

**System Type A(5):** One or more layers of insulation adhered with approved asphalt or adhesive.

**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>AC Foam II, AC Foam III, ENRGY-3, H-Shield, H-Shield CG, Multi-Max FA3 Minimum 1.5" thick</b>	<b>N/A</b>	<b>N/A</b>

**Note: Apply insulation in TITSEET Adhesive in 3" to 3-1/2" continuous beads/ribbons spaced 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Additional layers of insulation should be adhered in TITSEET Adhesive in 3" to 3-1/2" continuous beads/ribbons spaced 12" o.c.**

**Base Sheet:** (Optional if using ply sheet in hot asphalt) One or more plies of Elastobase, Modibase, Perma Ply 28 or GAFGLAS #75 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Ply Sheet:** (Optional if using base sheet in hot asphalt) One or more plies of Polybond, Polyflex or Xtraflex torch applied or one ply of Elastobase, Modibase, Perma Ply 28, Elastoflex S6, Elastoflex V or Elastoflex V 2.5 or one to more plies of Type IV or VI ply sheet adhered to the coverboard in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Membrane:** One ply of Polyflex, Polflex G, Polyflex G FR, Polybond, Polybond G, Xtraflex, Xtraflex G or Xtraflex G FR torch applied or one ply of Elastoflex S6, Elastoflex S6 G, Elastoflex S6 G FR, Elastoshield TS4 or Elastoshield TS4 FR torch or hot asphalt applied.

**Surfacing:** (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

**Maximum Design Pressure:** -262.5 psf; (See General Limitation #7.)



**Deck Type 7I:** Recover over existing asphalt BUR or mineral surfaced cap

**Deck Description:** concrete / Steel

**System Type A(6):** One or more layers of insulation adhered with approved asphalt or adhesive.

**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>AC Foam II, AC Foam III, ENRGY-3, H-Shield, H-Shield CG, Multi-Max FA3 Minimum 1.5" thick</b>	<b>N/A</b>	<b>N/A</b>
<b>Top Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>Securock Minimum 1/4" thick</b>	<b>N/A</b>	<b>N/A</b>

**Note: Apply insulation in TITSESET Adhesive in 3" to 3-1/2" continuous beads/ribbons spaced 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Additional layers of insulation should be adhered in TITSESET Adhesive in 3" to 3-1/2" continuous beads/ribbons spaced 12" o.c.**

**Base Sheet:** One or more plies of Polyflex, Polybond torch applied.

**Membrane:** One ply of Polyflex G, Polyflex G FR, Polybond G torch applied.

**Surfacing:** (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

**Maximum Design**

**Pressure:** -262.5 psf; (See General Limitation #7.)



**Deck Type 7I:** Recover

**Deck Description:** concrete / steel

**System Type B:** Base layers of insulation mechanically fastened, top layer fully 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>H-Shield, H-Shield CG, POLYTHERM or POLYTHERM Composite P Minimum 1.5" thick</b>	<b>1, 4, 5 or 6</b>	<b>1:4 ft<sup>2</sup></b>

**Note: Base layers of insulation shall be mechanically attached using the fastener density listed. The insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Insulation fasteners shall be tested for withdrawal resistance in compliance with Protocol TAS 105 to confirm compliance with the wind load requirements. Please refer to Roofing Application Standard RAS 117 for insulation attachment.**

<b>Top Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>Fesco Board Minimum ¾" thick</b>	<b>N/A</b>	<b>N/A</b>

**Note: Optional top layer of insulation shall be adhered with approved hot 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. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.**

**Base Sheet:** (Optional if using 1 to 3 plies of ply sheet) One or more plies of Elastobase, Modibase, Perma Ply 28 or GAFGLAS #75 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Ply Sheet:** (Optional) One or more plies of Elastobase, Modibase or Perma Ply No. 28 or one to three plies of Type IV or VI ply sheet adhered to the coverboard in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Membrane:** One ply of Polyflex, Polflex G, Polyflex G FR, Polybond, Polybond G, Xtraflex, Xtraflex G or Xtraflex G FR torch applied or one ply of Elastoflex S6, Elastoflex S6 G, Elastoflex S6 G FR, Elastoshield TS4 or Elastoshield TS4 FR torch or hot asphalt applied.

**Surfacing:** (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

**Maximum Design Pressure:** -45 psf; (See General Limitation #9.)



**Deck Type 7I:** Recover

**Deck Description:** concrete / steel

**System Type D(1):** All layers of insulation and base sheet simultaneously attached.

**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>ACFoam II, AC Foam III, Multi-Max FA, POLYTHERM A1, H-Shield, Tapered H-Shield, Thermarof Composite, POLYTHERM Composite Minimum 1.5" thick</b>	N/A	N/A
<b>Fiberbond Minimum 5/8" thick</b>	N/A	N/A
<b>Board High Density Fiberboard, Fiberboard, High Density Fiberboard, Minimum 1/2" thick</b>	N/A	N/A
<b>Fesco Board Minimum 3/4" thick</b>	N/A	N/A

**Note: Top layer shall have preliminary attachment, prior to installation of the base sheet, at an application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft. All layers of insulation and base sheet shall be simultaneously fastened. See base sheet below for fasteners and density.**

**Base Sheet:** One or more plies of Elastobase or Perma Ply 28 fastened to the deck as described below:

**Fastening:** Attach base sheet using CF Dekfast Hex Plates or Dekfast Autonet Plates with #14 Dekfast fasteners or Isofast IF/IG-70x70 plates with Isofast IF2 fasteners (steel only) spaced 12" o.c. in a 4" lap and 18" o.c. in two equally spaced staggered rows in the center of the sheet. Fasteners shall penetrate through the existing roof to the structural deck.

**Ply Sheet:** (Optional) One or more plies of Elastobase or Perma Ply No. 28 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Membrane:** One ply of Polyflex, Polflex G, Polyflex G FR, Polybond, Polybond G, Xtraflex, Xtraflex G or Xtraflex G FR torch applied or one ply of Elastoflex S6, Elastoflex S6 G, Elastoflex S6 G FR, Elastoshield TS4 or Elastoshield TS4 FR torch or hot asphalt applied.

**Surfacing:** (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

**Maximum Design Pressure:** -45 psf; (See General Limitation #9.)



**Deck Type 7I:** Recover

**Deck Description:** concrete / steel

**System Type D(2):** All layers of insulation and base sheet simultaneously attached.

**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>H-Shield, H-Shield-P, POLYTHERM, POLYTHERM Composite P, AC Foam II, AC Foam III Minimum 1.5" thick</b>	N/A	N/A
<b>High Density Fiberboard Minimum 1" thick</b>	N/A	N/A
<b>Fesco Board Minimum ¾" thick</b>	N/A	N/A

**Note: Top layer shall have preliminary attachment, prior to installation of the base sheet, at an application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft. All layers of insulation and base sheet shall be simultaneously fastened. See base sheet below for fasteners and density.**

- Base Sheet:** One or more plies of Polybond, Polyflex or Xtraflex mechanically fastened to the deck as described below:
- Fastening #1:** (Polybond or Polyflex only) Attach base sheet using Polygrip 2½" Membrane Plates and #14 Polygrip fasteners or Dekfast 2½" HS Membrane Plates and #14 Dekfast fasteners spaced 18" o.c. in a minimum 5" wide side lap. The side lap is either torch or hot air welded closed. Fasteners shall penetrate through the existing roof to the structural deck.  
*(Maximum Design Pressure –45 psf – See General Limitation #9.)*
- Fastening #2:** (Polybond or Polyflex only) Attach base sheet using Polygrip 2½" Membrane Plates and #14 Polygrip fasteners or Dekfast 2½" HS Membrane Plates and #14 Dekfast fasteners spaced 12" o.c. in a minimum 6" wide side lap. The side lap is either torch or hot air welded closed. Fasteners shall penetrate through the existing roof to the structural deck.  
*(Maximum Design Pressure –82.5 psf – See General Limitation #7.)*
- Fastening #3:** (Xtraflex only) Attach base sheet using Polygrip 2½" Membrane Plates and #14 Polygrip fasteners or Dekfast 2½" HS Membrane Plates and #14 Dekfast fasteners or Buildex 2-3/8" Round Barbed Seam Plates with #14 Roofgrip fasteners spaced 12" o.c. in a minimum 5" wide side lap. The side lap is either torch or hot air welded closed. Fasteners shall penetrate through the existing roof to the structural deck.  
*(Maximum Design Pressure –45 psf – See General Limitation #9.)*
- Ply Sheet:** None.
- Membrane:** One ply of Polyflex, Polflex G, Polyflex G FR, Polybond, Polybond G, Xtraflex G or Xtraflex G FR torch applied.
- Surfacing:** (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.
- Maximum Design Pressure:** See Fastening Options above



**Deck Type 7:** Recover

**Deck Description:** concrete / steel

**System Type E(1):** Base sheet mechanically attached.

**All General and System limitations apply.**

- Base Sheet:** One or more plies of Elastobase or Perma Ply 28 fastened to the deck as described below:
- Fastening:** Attach base sheet using CF Dekfast Hex Plates or Dekfast Autoset Plates with #14 Dekfast fasteners or Isofast IF/IG-70x70 plates with Isofast IF2 fasteners (steel only) spaced 12" o.c. in a 4" lap and 18" o.c. in two equally spaced staggered rows in the center of the sheet. Fasteners shall penetrate through the existing roof to the structural deck.
- Ply Sheet:** (Optional) One or more plies of Elastobase or Perma Ply No. 28 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
- Membrane:** One ply of Polyflex, Polflex G, Polyflex G FR, Polybond, Polybond G, Xtraflex, Xtraflex G or Xtraflex G FR torch applied or one ply of Elastoflex S6, Elastoflex S6 G, Elastoflex S6 G FR, Elastoshield TS4 or Elastoshield TS4 FR torch or hot asphalt applied.
- Surfacing:** (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.
- Maximum Design Pressure:** -45 psf; (See General Limitation #9.)



**Deck Type 7:** Recover  
**Deck Description:** concrete / steel / lightweight concrete  
**System Type E(2):** Base sheet mechanically attached.

**All General and System Limitations apply.**

**Base Sheet:** One ply of Polybond, Polyflex or Xtraflex mechanically fastened to the deck as described below:

**Fastening #1:** (Polybond or Polyflex only) Attach base sheet using Polygrip 2½” Membrane Plates and #14 Polygrip fasteners or Dekfast 2½” HS Membrane Plates and #14 Dekfast fasteners spaced 18” o.c. in a minimum 5” wide side lap. The side lap is either torch or hot air welded closed. Fasteners shall penetrate through the existing roof to the structural deck. If the application is over an existing lightweight concrete deck, the fasteners shall penetrate through the lightweight concrete to the underlying steel or structural concrete deck  
**(Maximum Design Pressure –45 psf – General Limitation #9.)**

**Fastening #2:** (Polybond or Polyflex only) Attach base sheet using Polygrip 2½” Membrane Plates and #14 Polygrip fasteners or Dekfast 2½” HS Membrane Plates and #14 Dekfast fasteners spaced 12” o.c. in a minimum 6” wide side lap. The side lap is either torch or hot air welded closed. Fasteners shall penetrate through the existing roof to the structural deck. If the application is over an existing lightweight concrete deck, the fasteners shall penetrate through the lightweight concrete to the underlying steel or structural concrete deck  
**(Maximum Design Pressure –82.5 psf – General Limitation #7.)**

**Fastening #3:** (Xtraflex only) Attach base sheet using Polygrip 2½” Membrane Plates and #14 Polygrip fasteners or Dekfast 2½” HS Membrane Plates and #14 Dekfast fasteners or Buildex 2-3/8” Round Barbed Seam Plates with #14 Roofgrip fasteners spaced 12” o.c. in a minimum 5” wide side lap. The side lap is either torch or hot air welded closed. Fasteners shall penetrate through the existing roof to the structural deck. If the application is over an existing lightweight concrete deck, the fasteners shall penetrate through the lightweight concrete to the underlying steel or structural concrete deck  
**(Maximum Design Pressure –45 psf – General Limitation #9.)**

**Ply Sheet:** None.

**Membrane:** One ply of Polyflex, Polflex G, Polyflex G FR, Polybond, Polybond G, Xtraflex G or Xtraflex G FR torch applied.

**Surfacing:** (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

**Maximum Design Pressure:** See Fastening Options above



**Deck Type 7:** Recover

**Deck Description:** concrete / steel / lightweight concrete

**System Type E(3):** Membrane mechanically attached.

**All General and System Limitations apply.**

Base Sheet: none.

Ply Sheet: none.

Membrane: One or more plies of Xtraflex G or Xtraflex G FR mechanically fastened with Dekfast #15 Heavy Fasteners and Dekfast 2.5 in. Seam Plates spaced 12" o.c. in the 6 inch wide heat welded side lap. Fasteners shall penetrate through the existing roof to the structural deck. If the application is over an existing lightweight insulating concrete, the fasteners shall penetrate through the lightweight concrete to the underlying steel or structural concrete deck.

Surfacing: (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

Maximum Design Pressure: -60 psf; (See General Limitation #7.)



**Deck Type 7:** Recover

**Deck Description:** Elastizell with Zell-Crete fibers; 350-400 psi Compressive strength. Supplemental attachment with Roofgrip #21 screws and 3” Flat Bottom Plates at 1 per 8ft<sup>2</sup>.

**System Type E(4):** Base sheet mechanically fastened.

**All General and System limitations apply.**

**Base Sheet:** Elastobase V or Elastobase P fastened as outlined below:

**Fastening:** Twin-Loc nails at 6” o.c. in 4” lap and 6” o.c. in three equally spaced center rows.

**Ply Sheet:** One ply of Elastobase, Modibase or Perma Ply 28 or one to more plies of Type IV or VI ply sheet adhered to the coverboard in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs.

**Membrane:** One ply of Polyflex, Polyflex G, Polyflex G FR, Polybond, Polybond G, Xtraflex, Xtraflex G or Xtraflex G FR torch applied or one ply of Elastoflex S6, Elastoflex S6 G, Elastoflex S6 G FR, Elastoshield TS4 or Elastoshield TS4 FR torch or hot asphalt applied.

**Surfacing:** (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

**Maximum Design Pressure:** -60 psf; (See general limitation #7.)



**Deck Type 7:** Recover

**Deck Description:** Celcore MF Lightweight Concrete; 300psi compressive strength. Minimum 59 lbf withdrawal.

**System Type E(5):** Base sheet mechanically fastened.

**All General and System limitations apply.**

**Base Sheet:** Elastobase V or Elastobase P fastened as outlined below:

**Fastening:** FM-90 fasteners at 8" o.c. in 4" lap and 8" o.c. in three equally spaced center rows.

**Ply Sheet:** One ply of Elastobase, Modibase or Perma Ply 28 or one to more plies of Type IV or VI ply sheet adhered to the coverboard in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs.

**Membrane:** One ply of Polyflex, Polyflex G, Polyflex G FR, Polybond, Polybond G, Xtraflex, Xtraflex G or Xtraflex G FR torch applied or one ply of Elastoflex S6, Elastoflex S6 G, Elastoflex S6 G FR, Elastoshield TS4 or Elastoshield TS4 FR torch or hot asphalt applied.

**Surfacing:** (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

**Maximum Design Pressure:** -60 psf; (See general limitation #7.)



**Deck Type 7:** Recover

**Deck Description:** Celcore MF Lightweight Concrete; 300psi compressive strength. Minimum 110lb withdrawal.

**System Type E(6):** Base sheet mechanically fastened.

**All General and System limitations apply.**

**Base Sheet:** Elastobase P fastened as outlined below:

**Fastening:** FM-260 fasteners at 10" o.c. in 4" lap and 10" o.c. in three equally spaced center rows.

**Ply Sheet:** (Optional) One ply of Elastobase, Modibase or Perma Ply 28 or one to more plies of Type IV or VI ply sheet adhered to the coverboard in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs.

**Membrane:** One ply of Polyflex, Polyflex G, Polyflex G FR, Polybond, Polybond G, Xtraflex, Xtraflex G or Xtraflex G FR torch applied or one ply of Elastoflex S6, Elastoflex S6 G, Elastoflex S6 G FR, Elastoshield TS4 or Elastoshield TS4 FR torch or hot asphalt applied.

**Surfacing:** (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

**Maximum Design Pressure:** -90 psf; (See general limitation #7.)



**Deck Type 7:** Recover

**Deck Description:** concrete / steel

**System Type F(1):** Optional base sheet fully adhered with approved asphalt.

**All General and System Limitations apply.**

**Note: Existing roof surface shall be primed with PG100 Asphalt Primer or Mule-Hide 121 Asphalt Primer and allowed to dry prior to application of base sheet.**

**Base Sheet:** (Optional) One or more plies of Elastobase or Perma Ply 28 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Ply Sheet:** (Optional) One or more plies of Elastobase or Perma Ply 28 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

**Membrane:** One ply of Polyflex, Polflex G, Polyflex G FR, Polybond, Polybond G, Polybond G FR, Xtraflex, Xtraflex G or Xtraflex G FR torch applied or one ply of Elastoflex S6, Elastoflex S6 G, Elastoflex S6 G FR, Elastoshield TS4 or Elastoshield TS4 FR torch or hot asphalt applied or.

**Surfacing:** (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

**Maximum Design Pressure:** -45 psf; (See General Limitation #9.)



**Deck Type 7:** Recover

**Deck Description:** concrete

**System Type F(2):** Optional base sheet torch applied to existing roof surface.

**All General and System Limitations apply.**

**Note: Existing roof surface shall be primed with PG100 Asphalt Primer or Mule-Hide 121 Asphalt Primer and allowed to dry prior to application of base sheet.**

**Base Sheet:** (Optional) One or more plies of Xtraflex torch applied to the primed surface.

**Ply Sheet:** none.

**Membrane:** One ply of Xtraflex G FR torch applied to the base sheet or to the primed deck.

**Surfacing:** (Optional) Install one of the approved surfacing products listed in Table 4 to obtain desired coating or required fire classification.

**Maximum Design Pressure:** -157.5 psf; (See General Limitation #9.)



## **RECOVER SYSTEM LIMITATIONS:**

- 1 All System Limitations and General Limitations shall apply. See specific deck type Notice of Acceptance for deck type System Limitations.

## **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 sidelap 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 Professional Engineer, Registered 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 with 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.)

## **END OF THIS ACCEPTANCE**

