



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
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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 Self-Adhered 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 consists of pages 1 through 11.

The submitted documentation was reviewed by Jorge L. Acebo.



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Expiration Date: 11/22/12
Approval Date: 11/22/07
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ROOFING ASSEMBLY APPROVAL

<u>Category:</u>	Roofing
<u>Sub-Category:</u>	Modified Bitumen
<u>Materials</u>	SBS/APP/TPO
<u>Deck Type:</u>	Recover
<u>Maximum Design Pressure</u>	See Specific Deck Type
<u>Fire Classification:</u>	See General Limitation #1

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>
Elastobase V	65' 2" x 3' 3-3/8"	ASTM D 4601	SBS modified asphalt coated fiberglass reinforced base sheet.
Elastobase P	5' 2" x 3' 3-3/8"	ASTM D6164	SBS modified asphalt coated polyester reinforced base sheet.
Elastoflex SA V Vent	32' 6" x 3' 3-3/8"	ASTM D 6163	Partially self-adhered, fiberglass reinforced, SBS modified bitumen membrane with a self-adhering back face and a smooth top surface.
Elastoflex SA V FR	32' 6" x 3' 3-3/8"	ASTM D 6163	Self-adhered, fiberglass reinforced, SBS modified bitumen membrane with a self-adhering back face and a smooth top surface.
Elastoflex SA V	32' 6" x 3' 3-3/8"	ASTM D 6163	Self-adhered, fiberglass reinforced, SBS modified bitumen membrane with a self-adhering back face and a smooth top surface.
Elastoflex SA P FR	32' 6" x 3' 3-3/8"	ASTM D 6164	Self-adhered, polyester reinforced, SBS modified bitumen membrane with a self-adhering back face and a granule top surface.
Elastoflex SA P	32' 6" x 3' 3-3/8"	ASTM D 6164	Self-adhered, fiberglass reinforced, SBS modified bitumen membrane with a self-adhering back face and a granule top surface.
Polyflex SA P	32' 6" x 3' 3-3/8"	ASTM D 6222	Self-adhered, polyester reinforced, APP modified bitumen membrane with a self-adhering back face and a granule top surface.
Polyflex SA P FR	32' 6" x 3' 3-3/8"	ASTM D 6222	Self-adhered, polyester reinforced, APP modified bitumen membrane with a self-adhering back face and a granule top surface.



APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
Polytherm	Polyisocyanurate foam insulation	Polyglass USA, Inc.
Polytherm Composite	Polyisocyanurate/perlite composite insulation.	Polyglass USA, Inc.
ACFoam II, III	Polyisocyanurate foam insulation	Atlas Energy Products
ConPearl	Expanded perlite mineral fiber	Conglas
High Density Wood Fiberboard	Wood fiber insulation board	Generic
Perlite Insulation	Perlite insulation board	Generic
Dens-Deck (Prime)	Gypsum insulation board	Georgia-Pacific
Duragard	Gypsum insulation board	Georgia-Pacific
Armor Board Regular Fiberboard	Wood fiber board	Honeywell Int'l. Inc.
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.
Kop-R Wood Fiber	Polyisocyanurate foam insulation	Koppers Industries, Inc.
Structodek, Structodek FS	Wood fiber board	Masonitec
Securock	Fiber reinforced Coverboard	USG



APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
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.
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



EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Name/Report</u>	<u>Report No.</u>	<u>Date</u>
Factory Mutual Research Corporation	4470	J.I. 2W7A7.AM	08.04.94
	4470	J.I. 3001334	02.15.00
	4470	J.I. 3000857	01.12.00
	4470	J.I. 3004091	01.12.00
	4470	3012321	07.29.07
	4450	3014751	08.27.03
	4450	3019317	06.30.04
	4470	3014692	08.05.03
Exterior Research & Design, LLC.	TAS 114	11752.09.99-1	02.08.00
		02764.09.05	09.09.05
		020843.02.05-1	02.10.05
Trinity ERD	TAS 117(B)-ASTM D903 TAS 114	020841.06.04	06.02.04
		P1734.07.06-R1	02.27.07
		02843.07.07	07.23.07
		P1738.02.07	02.05.07
		P1739.01.07	01.23.07



APPROVED ASSEMBLIES:

Deck Type 7I: Recover

Deck Description: concrete

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:

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
AC Foam II, ENRGY-3, H-Shield, Multi-Max Minimum 1.5" thick	N/A	N/A
Dens-Deck, Dens-Deck Prime Minimum ¼" thick	N/A	N/A

Note: Apply insulation in WeatherTite One-Step Foamable Adhesive in ½" to ¾" wide 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" wide continuous beads/ribbons spaced 12" o.c.

Base Sheet: One or more plies of Elastoflex SA V or Elastoflex SA V FR self-adhered.

Membrane: One ply of Elastoflex SA P, Elastoflex SA P FR, Polyflex SA P or Polyflex SA P FR self adhered.

Surfacing: (Optional) Install one of the following to obtain required fire classification.

1. Gravel or slag at 400 lbs/sq or 300 lbs/sq, respectively, in a flood coat of approved asphalt at 60 lbs/sq.
2. Karnak 97 Fibrated Aluminum Asphalt Roof Coating or Asbestos Free Aluminum Roof Coating at 1½ gal/sq.
3. Kokem Products Sunguard Acrylic Roof Coating at 1 gal/sq.
4. Monsey Endure Aluminum Roof Coating, Weather Check or Pro-Grade Aluminum Roof Coating at 1½ gal/sq.
5. Grundy al MB Aluminum Roof Coating at 1-2 gal/sq.
6. Fields F350 Heat Shield Aluminum Coating or F630 Heat Shield Fibrated Aluminum Coating at 1½ gal/sq.

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



Deck Type 7I: Recover

Deck Description: Concrete/LWC

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:

Base Insulation Layer

AC Foam II, ENRGY-3, H-Shield, ISO 95+GL

Minimum 1.5" thick

**Insulation Fasteners
(Table 3)**

**Fastener
Density/ft²**

N/A

N/A

Approved EPS 2.0 pcf

Minimum 1" thick

N/A

N/A

Dens-Deck, Dens-Deck Prime

Minimum ¼" thick

N/A

N/A

Top Insulation Layer (Optional)

**Insulation Fasteners
(Table 3)**

**Fastener
Density/ft²**

Dens-Deck, Dens-Deck Prime (Required with Energy -3 and Approved EPS 2.0 pcf)

Minimum ¼" thick

N/A

N/A

Note: Apply insulation in OlyBond 500 Adhesive in ¾" to 1" wide 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 Adhesive in ¾" to 1" wide continuous beads/ribbons spaced 12" o.c.

Base Sheet: One or more plies of Elastoflex SA V or Elastoflex SA V FR self-adhered.

Membrane: One ply of Elastoflex SA P, Elastoflex SA P FR, Polyflex SA P or Polyflex SA P FR self adhered.

Surfacing: (Optional) Install one of the following to obtain required fire classification.

1. Gravel or slag at 400 lbs/sq or 300 lbs/sq, respectively, in a flood coat of approved asphalt at 60 lbs/sq.
2. Karnak 97 Fibrated Aluminum Asphalt Roof Coating or Asbestos Free Aluminum Roof Coating at 1½ gal/sq.
3. Kokem Products Sunguard Acrylic Roof Coating at 1 gal/sq.
4. Monsey Endure Aluminum Roof Coating, Weather Check or Pro-Grade Aluminum Roof Coating at 1½ gal/sq.
5. Grundy al MB Aluminum Roof Coating at 1-2 gal/sq.
6. Fields F350 Heat Shield Aluminum Coating or F630 Heat Shield Fibrated Aluminum Coating at 1½ gal/sq.

Maximum Design

Pressure: -120.0 psf; (See General Limitation #9.)



Deck Type 7I: Recover

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:

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
AC Foam II, AC Foam III, ISO 95+GL, JM ISO 1, Multi-Max FA3 Minimum 1.5" thick	N/A	N/A
Dens-Deck, Dens-Deck Prime (Only option for Steel Deck with a maximum thickness of 1") Minimum 1/2" thick	N/A	N/A

Note: Apply insulation in TITESET Adhesive in 3" to 3-1/2" wide 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 TITESET Adhesive in 3" to 3-1/2" wide continuous beads/ribbons spaced 12" o.c.

Base Sheet: One or more plies of Elastoflex SA V or Elastoflex SA V FR self-adhered.

Membrane: One ply of Elastoflex SA P, Elastoflex SA P FR, Polyflex SA P or Polyflex SA P FR self adhered.

Surfacing: (Optional) Install one of the following to obtain required fire classification.

1. Gravel or slag at 400 lbs/sq or 300 lbs/sq, respectively, in a flood coat of approved asphalt at 60 lbs/sq.
2. Karnak 97 Fibrated Aluminum Asphalt Roof Coating or Asbestos Free Aluminum Roof Coating at 1½ gal/sq.
3. Kokem Products Sunguard Acrylic Roof Coating at 1 gal/sq.
4. Monsey Endure Aluminum Roof Coating, Weather Check or Pro-Grade Aluminum Roof Coating at 1½ gal/sq.
5. Grundy al MB Aluminum Roof Coating at 1-2 gal/sq.
6. Fields F350 Heat Shield Aluminum Coating or F630 Heat Shield Fibrated Aluminum Coating at 1½ gal/sq.

Maximum Design Pressure: -262.5 psf; (See General Limitation #9.)



Deck Type 7: Recover

Deck Description: Elastizell with Zell-Crete fibers; 350-400 psi Compressive strength. Minimum 44lbf withdrawal values.

System Type E(1): 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.

Base Sheet: One or more plies of Elastoflex SA V or Elastoflex SA V FR self-adhered.

Membrane: One ply of Elastoflex SA P, Elastoflex SA P FR, Polyflex SA P or Polyflex SA P FR self adhered.

Surfacing: (Optional) Install one of the following to obtain required fire classification.

1. Gravel or slag at 400 lbs/sq or 300 lbs/sq, respectively, in a flood coat of approved asphalt at 60 lbs/sq.
2. Karnak 97 Fibrated Aluminum Asphalt Roof Coating or Asbestos Free Aluminum Roof Coating at 1½ gal/sq.
3. Kokem Products Sunguard Acrylic Roof Coating at 1 gal/sq.
4. Monsey Endure Aluminum Roof Coating, Weather Check or Pro-Grade Aluminum Roof Coating at 1½ gal/sq.
5. Grundy al MB Aluminum Roof Coating at 1-2 gal/sq.
6. Fields F350 Heat Shield Aluminum Coating or F630 Heat Shield Fibered Aluminum Coating at 1½ gal/sq.

Maximum Design Pressure:

-60 psf; (See general limitation #7.)



Deck Type 7: Recover

Deck Description: Celcore MF Lightweight Concrete; minimum 50lbf withdrawal

System Type E(2): 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.

Base Sheet: One or more plies of Elastoflex SA V or Elastoflex SA V FR self-adhered.

Membrane: One ply of Elastoflex SA P, Elastoflex SA P FR, Polyflex SA P or Polyflex SA P FR self adhered.

Surfacing: (Optional) Install one of the following to obtain required fire classification.

1. Gravel or slag at 400 lbs/sq or 300 lbs/sq, respectively, in a flood coat of approved asphalt at 60 lbs/sq.
2. Karnak 97 Fibrated Aluminum Asphalt Roof Coating or Asbestos Free Aluminum Roof Coating at 1½ gal/sq.
3. Kokem Products Sunguard Acrylic Roof Coating at 1 gal/sq.
4. Monsey Endure Aluminum Roof Coating, Weather Check or Pro-Grade Aluminum Roof Coating at 1½ gal/sq.
5. Grundy al MB Aluminum Roof Coating at 1-2 gal/sq.
6. Fields F350 Heat Shield Aluminum Coating or F630 Heat Shield Fibered Aluminum Coating at 1½ gal/sq.

Maximum Design

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



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 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 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 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.)**

END OF THIS ACCEPTANCE



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