



**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 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 consists of pages 1 through 18.

The submitted documentation was reviewed by Frank Zuloaga, RRC



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ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: Modified Bitumen

Materials: SBS/APP/TPO
Deck Type: Recover
Maximum Design Pressure: -180 psf
Fire Classification: 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> |
|--------------------|---------------------|---------------------------|---|
| 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. |
| 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. |



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| <u>Product</u> | <u>Dimensions</u> | <u>Test Specification</u> | <u>Product Description</u> |
|-------------------------|---------------------|---------------------------|--|
| 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. |
| 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-V FR Base | 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 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 granule top surface. |
| Elastobase | 65' 2" x 3' 3-3/8" | ASTM D 4601 | SBS modified asphalt coated fiberglass reinforced base sheet. |

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 | Polyisocyanurate foam insulation | Atlas Energy Products |



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APPROVED INSULATIONS:

TABLE 2

| Product Name | Product Description | Manufacturer (With Current NOA) |
|--|----------------------------------|--|
| ConPearl | Expanded perlite mineral fiber | Conglas |
| Esgard Fiberboard | Wood fiber board | EMCO Ltd. |
| GAF Permalite | Expanded mineral fiber | GAF Mat'l. Corp. |
| GAF Fiberboard | Wood fiber board | GAF Mat'l. Corp. |
| High Density Wood Fiberboard | Wood fiber insulation board | Generic |
| Perlite Insulation | Perlite insulation board | Generic |
| Dens-Deck | 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-2 | 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 |

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 | | Construction Fasteners Inc. |
| 5. | HWH Dekfast Fasteners | Insulation fastener for wood, and steel decks | | Construction Fasteners Inc. |



APPROVED FASTENERS:

TABLE 3

| Fastener Number | Product Name | Product Description | Dimensions | Manufacturer (With Current NOA) |
|------------------------|----------------------------------|---|-----------------------|--|
| 6. | Omega Fasteners | Insulation fastener for wood, and steel decks | | Construction Fasteners Inc. |
| 7. | Dekfast Hex Plate | Galvalume hex stress plate. | 2 7/8" x 3 1/4" | Construction Fasteners Inc. |
| 8. | Dekfast Autoset Plate | Galvalume stress plate. | 2-7/8" x 3-1/4" | Construction Fasteners Inc. |
| 9. | Dekfast 2 1/2" HS membrane Plate | Galvalume stress plate. | 2.5" round | Construction Fasteners Inc. |
| 10. | #14 & #15 Roofgrip Fasteners | Insulation fastener for wood, steel and concrete decks. | | ITW Buildex Corp. |
| 11. | Metal Plate | Galvalume stress plate. | 3" round 3" square | ITW Buildex Corp. |
| 12. | 2-3/8" Round Barbed Seam Plates | Galvalume stress plate. | 2-3/8" round | ITW Buildex Corp. |
| 13. | #14 HD Insul-Fixx Fastener | Insulation fastener for wood, steel and concrete decks | | SFS Stadler, Inc. |
| 14. | Extra Load Fasteners | Insulation fastener for wood, steel and concrete decks | | SFS Stadler, Inc. |
| 15. | Insul-Fixx S Plate | Galvalume AZ50 steel plate | 3" round | SFS Stadler, Inc. |
| 16. | IF-2.375 Plates | Galvalume AZ55 steel plate | 2.37" round | SFS Stadler, Inc. |
| 17. | IF/IFT-70x70 Plates | Galvalume steel plate | 2.75" square | SFS Stadler, Inc. |

EVIDENCE SUBMITTED:

| <u>Test Agency/Identifier</u> | <u>Report No.</u> | <u>Date</u> |
|--------------------------------------|--------------------------|--------------------|
| 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 |
| Exterior Research & Design, LLC. | #11752.09.99-1 | 02.08.00 |



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APPROVED ASSEMBLIES:

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:

| Base Insulation Layer | Insulation Fasteners (Table 3) | Fastener Density/ft² |
|--|---|--|
| H-Shield, H-Shield P, Polytherm or Polytherm Composite P Minimum 1.5" thick | 1, 4, 5 or 6 | 1:4 ft² |

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.

| Top Insulation Layer | Insulation Fasteners (Table 3) | Fastener Density/ft² |
|---|---|--|
| Fesco Board Minimum 3/4" thick | N/A | N/A |

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 ft². 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 or self-adhered membranes noted below)
One ply 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 ply 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 or Elastoflex SA V FR self adhered to a listed polyisocyanurate layer (no coverboard).

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 or one ply of Elastoflex SA-P FR or Elastoflex SA-V 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:

-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:

| Insulation Layer | Insulation Fasteners (Table 3) | Fastener Density/ft² |
|---|---|--|
| ACFoam II, Multi-Max FA, POLYTHERM A1, H-Shield, Tapered H-Shield, Thermarroof Composite, Polytherm Composite Minimum 1.5" thick | N/A | N/A |
| Fiberbond Minimum 5/8" thick | N/A | N/A |
| Armor Board Regular Fiberboard, Armor Board High Density Fiberboard, Esgard Fiberboard Roof Insulator, Fiberboard, High Density Fiberboard, Traffic Top Fiberboard, GAFTEMP Fiberboard, GAFTEMP High Density Fiberboard, Huebert Fiberboard, Kop-R Wood Fiber, Fiber Base HD1, Fiber Base HD6, Structodek Minimum 1/2" thick | N/A | N/A |
| ConPerl, GAFTEMP Permalite, Permalite or Fesco Board Minimum 3/4" thick | N/A | N/A |
| Standard or Wide Flute Armor-R Glass, Standard or Wide Flute Fiberglas Roof Insulation, Standard or Wide Flute Fiber Glass Roof Insulation Minimum 15/16" thick | 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 ply of Elastobase or Perma Ply 28 fastened to the deck as described below:

Fastening: Attach base sheet using CF Dekfast Hex Plates or Dekfast Autaset 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 ply 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 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:

-45 psf; (See General Limitation #9.)



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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:

| Insulation Layer | Insulation Fasteners (Table 3) | Fastener Density/ft² |
|---|---|--|
| H-Shield, H-Shield-P, Polytherm, Polytherm Composite P, AC Foam II Minimum 1.5" thick | N/A | N/A |
| Fiberboard, Flat Top Fiberboard, Esgard Fiberboard Roof Insulator, High Density Fiberboard, Huebert Fiberboard, Structodek, Fiberboard Roof Insulation, High Density Fiberboard Roof Insulation Minimum 1" thick | N/A | N/A |
| Fesco Board Minimum 3/4" thick | 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 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.
(Meets -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.
(Meets -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. *(Meets -45 psf - See General Limitation #9.)*



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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 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: 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 ply 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 ply 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 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: -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
(Meets –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
(Meets –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
(Meets –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 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:

See Fastening Options above



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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 ply 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 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: -60 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 ASTM D 41 asphalt primer and allowed to dry prior to application of base sheet.

Base Sheet: (Optional) One ply 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 ply 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 one ply of Elastoflex SA-P 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: -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 ASTM D 41 asphalt primer and allowed to dry prior to application of base sheet.

Base Sheet: (Optional) One ply 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 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: -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



NOA No.: 03-0612.11
Expiration Date: 07/13/08
Approval Date: 07/31/03
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