MIAMI-DADE

**MIAMI-DADE** COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

**BUILDING CODE COMPLIANCE OFFICE**
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# PRODUCT CONTROL NOTICE OF ACCEPTANCE

**Johns Manville Corp.**
**717 17 Street (P.O. Box 5108)**
**Denver ,CO 80217**

Your application for Notice of Acceptance (NOA) of:
**Built-up Roof Systems Over Steel Decks**
under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

**ACCEPTANCE NO.: 01-0524.06**
**EXPIRES: 07/19/2006**

Raul Rodriguez
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS**
**BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

**APPROVED: 07/19/2001**

## ROOFING ASSEMBLY APPROVAL

| | | |
|---|---|---|
| Category: | Roofing | Approval Date: **July 19, 2001** |
| Sub-Category: | Built-up Roofing | |
| | | Expiration Date: **July 19, 2006** |
| Deck Type: | Steel | |
| Maximum Design Pressure | -97.5 psf | |
| Fire Classification: | See General Limitation #1 | |

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

| Product | Dimensions | Test Specification | Product Description |
|---|---|---|---|
| Bestile Flashing Cement | | ASTM D 4586 | A trowel grade, cutback bitumen flashing grade cement mixture including inorganic fibers and mineral stabilizers. |
| CD-10 | Various | PA 114 | Insulation fastener for concrete decks. |
| Dyna Clad | 39-3/8" x 33' 6" | N/A | A foil surfaced fiberglass reinforced elastomeric modified bitumen membrane for use as a cap or flashing sheet. |
| DynaFlex | 25' long | ASTM D 5147 | SBS modified bitumen composite flashing with fiber glass scrim and two-ply polyester reinforcement, for use in conventional and modified bitumen built-up roofing assemblies for base flashings. |
| E'NRG'Y 2 | Various | ASTM C 1289 | Rigid polyisocyanurate roof insulation for use in conventional built-up and other roof systems. |
| Expand-O-Flash | Various | N/A | Expansion joint covers manufactured from non-reinforced, form-supported elastomeric bellows with a bifurcated waterproof attachment to metal flanges. Available in various standard configurations and may be custom manufactured to specific dimensions. |
| Expand-O-Guard | Various | N/A | Elastomeric expansion joint cover for vertical expansion and seismic joints. Manufactured from non-reinforced, form-supported elastomeric bellows with a bifurcated waterproof attachment to metal flanges. Available in various standard configurations and may be custom manufactured to specific dimensions. |



Frank Zuloaga, RRC
Roofing Product Control Examiner

| Product | Dimensions | Test Specification | Product Description |
|---|---|---|---|
| FP-10 Vents | 10" deck flange, base diameter of 4" and a height of 6". | N/A | One-way roof vent, designed for use in various roof systems, for the release of pressure created by gases or moisture vapor trapped within the roofing system. |
| FesCant Plus Cant Strips, and Taper Edge. | Various | PA 110 | Factory pre-fabricated cant strips and taper edge, manufactured from expanded perlite insulation. |
| Fesco Board | Various | ASTM C 728 | Rigid perlite roof insulation board for roofing systems flat or tapered. |
| Fesco Foam | Various | PA 110 | Rigid polyisocyanurate roof insulation with perlite board facing bonded to one side for use in conventional built-up and other roofing. |
| Fiber Glass Roof Insulation | various | PA 110 | Fiberglas roof insulation. |
| Flex-I-Drain | Various sizes from 3" to 6" | BOCA 76-61 SBCCI 89204 UBC 3236 | Two piece flexible drain system composed of a Noryl deck flange, a flexible neoprene bellows and no hub connection. Available in various sizes and styles for most retro-fit applications. |
| GlasBase | 36" x 108'; roll weight: 84 lbs. | ASTM D 4601 | Type II asphalt impregnated and coated glass fiber base sheet for use in conventional and modified bitumen built-up roofing. |
| GlasBase Plus | 36" x 108'; roll weight: 84 lbs. | ASTM D 4601 | Type II asphalt impregnated and coated glass fiber base sheet for use in conventional and modified bitumen built-up roofing. |
| GlasFast Plate/UltraFast Screw | Various lengths | PA 114 | Insulation fastener and plate assembly for fiberglass insulation only (steel and wood decks). |
| GlasKap | 36" x 36'; Roll weight: 72 lbs. | ASTM D 3909 | Asphalt impregnated and coated felt surfaced with mineral granules used as the top ply in conventional built-up roof membranes. |
| GlasPly IV | 36" x 200' | ASTM D 4601 Type IV | Type IV asphalt impregnated glass felt for use in conventional and modified bitumen built-up roofing. |
| GlasPly Premier | 36" x 180' | ASTM D 2178 Type VI | Type VI asphalt impregnated glass felt for use in conventional and modified bitumen built-up roofing. |



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Roofing Product Control Examiner

| Product | Dimensions | Test Specification | Product Description |
|---|---|---|---|
| GlasTite Flexible | 25' long | ASTM D 1668 | Asphalt composite flashing with fiberglass scrim and two-ply polyester reinforcement, for use in conventional built-up roofing assemblies for base flashings. |
| Industrial Roof Cement | N/A | ASTM D 4586 Type II | General purpose medium trowel grade, cement cutback asphalt mastic reinforced with nonasbestos fibers and mineral stabilizers. |
| Lightweight Concrete (LWC) CR Base Fastener | various | PA 114 | G-90 galvanized double spreading leg fastener for securing base sheets to lightweight insulating concrete and some poured gypsum decks. |
| MBR Flashing Cement Activator | N/A | Proprietary | Activator component for use with MBR Flashing Cement Base |
| MBR Flashing Cement Base | N/A | Proprietary | A two-component elastomeric, cold application adhesive, consisting of a modified proprietary compound with an asphalt base. |
| MBR Utility Cement | N/A | ASTM D 4586 | General purpose trowel grade, cutback bitumen cement mixture including inorganic fibers and mineral stabilizers. |
| NTB 1H and 2H | various | PA 114 | A glass-filled nylon, double internal hex drive head, buttress thread, ¾" (19 mm) diameter fastener for securing roof insulation to gypsum and structural wood fiber decks. |
| PermaPly No. 28 | 36" x 108'; roll weight: 72 lbs. | ASTM D 4601 | Type II asphalt impregnated and coated glass fiber base sheet for use in conventional and modified bitumen built-up roofing. |
| Presto Lok Fascia and Flashing System | Various | PA 114 | A multi-piece fascia and flashing system for built-up and modified bitumen roofing systems manufactured from aluminum or steel. Extender plates available for wide fascia applications. This assembly meets the criteria of FMRC 1-49 for wind resistance perimeter flashing. |
| UltraFast | Various lengths | PA 114 | Insulation fastener assembly (steel decks only). |
| UltraGrip | Various lengths | PA 114 | Insulation fastener assembly (steel decks only). |



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Roofing Product Control Examiner

| Product | Dimensions | Test Specification | Product Description |
|---|---|---|---|
| Ventsulation Felt | 36" x 36' | ASTM D 4897 Type II | Heavy duty fiber glass base sheet impregnated and coated on both sides with asphalt with or without fine mineral stabilizer. Surfaced on the bottom side with coarse mineral granules embedded in asphaltic coating. |
| ½" Retro-Fit Board | Various thicknesses | PA 110 | A high-density perlite roof insulation for use in conventional and modified built-up roofing systems. |

## TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

| Product | Dimensions | Test Specification | Product Description | Manufacturer |
|---|---|---|---|---|
| Pyrox | various | PA 110 | Polyisocyanurate foam insulation | Apache Products Co. (with current PCA) |
| ACFoam II | various | PA 110 | Polyisocyanurate foam insulation | Atlas Energy Products (with current PCA) |
| Celcore | | PA 110 | Cellular insulating concrete system | Celcore, Inc. (with current PCA) |
| Concrecel | | PA 110 | Cellular insulating concrete system. | Concrecel Int'l (with current PCA) |
| Elastizell | | PA 110 | Cellular insulating concrete system. | Elastizell Corp. (with current PCA) |
| Mearlcrete | | PA 110 | Cellular insulating concrete system. | The Mearl Corp. (with current PCA) |
| Dekfast Fasteners #14 | | PA 114 | Insulation fastener for steel and concrete decks | Construction Fasteners Inc. (with current PCA) |
| Dekfast Hex Plate | 2 7/8" x 3 1/4" | PA 114 | Galvalume hex stress plate. | Construction Fasteners Inc. (with current PCA) |
| Dekfast Lock Plate | 3" x 3 1/4" | PA 114 | Polypropylene locking plate. | Construction Fasteners Inc. (with current PCA) |
| Dekfast Fasteners #15 | | PA 114 | Insulation fasteners for concrete decks | Construction Fasteners Inc. (with current PCA) |
| Dekfast Fasteners #12 | | PA 114 | Insulation fastener for steel and wood decks. | Construction Fasteners Inc. (with current PCA) |



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| Product | Dimensions | Test Specification | Product Description | Manufacturer |
|---|---|---|---|---|
| TPR | | PA 114 | Aluminum fastener for lightweight, gypsum and tectum decks | Creative Construction Components (with current PCA) |
| FM-30, FM-45, FM-60, FM-90 Fasteners | | PA 114 | Base ply fastening systems for lightweight concrete decks | ES Products, Inc. (with current PCA) |
| Asphalt Emulsion | | PA 121 | Asphalt emulsion | Gardner (with current PCA) |
| Asphalt | | ASTM D 312 | Type III or IV hot asphalt bitumen adhesive | generic |
| Asphalt Primer | | ASTM D 41 | Asphalt Primer | generic |
| EPS | various | PA 110 | Extruded polystyrene insulation | generic (with current PCA) |
| High Density Wood Fiberboard | various | PA 110 | Wood fiber insulation board | generic (with current PCA) |
| Oriented Strand Board | various | PA 110 | Oriented strand board | generic (with current PCA) |
| Perlite/Urethane Composite | various | PA 110 | Perlite / urethane composite board insulation | generic (with current PCA) |
| PermaMop | | ASTM D 312 | Rubberoid Asphalt | Trumbull |
| Polyethylene | 4 mil min. | | Vapor barrier / Air barrier | generic |
| Red Rosin | various | | Rosin paper for barrier layer on wood decks | generic |
| Type X Gypsum | various | | Fire rated water resistant type X gypsum sheating with treated core and facer | generic |
| Dens-Deck | 4' x 8' | PA 110 | Gypsum board | Georgia-Pacific (with current PCA) |
| Overlayment Board | 4' x 8' | PA 110 | Gypsum board | Georgia-Pacific (with current PCA) |
| Sturdi-Top | various | PA 110 | Wood fiberboard | Georgia-Pacific (with current PCA) |
| #12 Roofgrip | | PA 114 | Insulation fastener for steel or wood decks | ITW Buildex (with current PCA) |
| #14 Roofgrip | | PA 114 | Insulation fastener steel, wood or concrete decks | ITW Buildex (with current PCA) |



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| Product | Dimensions | Test Specification | Product Description | Manufacturer |
|---|---|---|---|---|
| Gripdek Fastener | | PA 114 | Insulation fastener | ITW Buildex (with current PCA) |
| Hexcel Fastener | | PA 114 | Insulation fastener | ITW Buildex (with current PCA) |
| Hextra | | PA 114 | Insulation fastener and metal or plastic plate | ITW Buildex (with current PCA) |
| Polymer Gyptec | | PA 114 | Glass reinforced nylon gypsum deck fastener | ITW Buildex (with current PCA) |
| Premium Metal Plate | 3" square | PA 114 | 3" square galvalume AZ55 stress plate | ITW Buildex (with current PCA) |
| Standard Plastic Plate | 3" round | PA 114 | Polyolefin plastic plate | ITW Buildex (with current PCA) |
| Con-Tite | | PA 114 | Conctrete deck insulation fastener | Olympic Mfg. Group, Inc. (with current PCA) |
| Olympic Standard | 3" round | PA 114 | 3" round galvalume AZ55 steel plate | Olympic Mfg. Group, Inc. (with current PCA) |
| Olympic Fastener #14 | | PA 114 | Insulation fastener | Olympic Mfg. Group, Inc. (with current PCA) |
| Olympic Polypropylene | 3.25" round | PA 114 | Polypropylene plastic plate | Olympic Mfg. Group, Inc. (with current PCA) |
| Olympic Fastener #12 | | PA 114 | Insulation fastener | Olympic Mfg. Group, Inc. (with current PCA) |
| Fiber Glass Roof Tape | 6' x 300' | proprietary | Glass fiber mat together with reinous binder to reinforce fiber glass roof insulation. | Owens-Corning Fiberglas Corp. (with current PCA) |
| Fiberglas | various | PA 110 | Fiber glass roof insulation | Owens-Corning Fiberglas Corp. (with current PCA) |
| GlasFast Fastener | | PA 114 | Insulation fastener assembly with recessed plastic plate | Owens-Corning Fiberglas Corp. (with current PCA) |



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| Product | Dimensions | Test Specification | Product Description | Manufacturer |
|---|---|---|---|---|
| GlasFast/Striker | | PA 114 | Insulation fastener assembly and metal plate for use over concrete decks | Owens-Corning Fiberglas Corp. (with current PCA) |
| Multi-Max | various | PA 110 | Polyisocyanurate foam insulation | Rmax, Inc. (with current PCA) |
| HD Insul-Fixx Fastener | | PA 114 | Insulation fastener for use in steel and concrete decks | SFS/Stadler (with current PCA) |
| Insul-Fixx Fastener | | PA 114 | Insulation fastener for steel and wood decks | SFS/Stadler (with current PCA) |
| Insul-Fixx S | 3" square | PA 114 | 3" square galvalume AZ55 stress plate | SFS/Stadler (with current PCA) |
| Insul-Fixx P | 3" round | PA 114 | 3" round polyethylene stress plate | SFS/Stadler (with current PCA) |
| Plate Fixx Fastener | | PA 114 | Insulation fastening assembly | SFS/Stadler (with current PCA) |
| Rawl Drive | | PA 114 | Insulation fastener and steel and plastic stress plate for concrete deck | Powers Fasteners, Inc. (with current PCA) |
| Rawl Fasteners #12 | | PA 114 | Insulation fastener for steel and wood decks | Powers Fasteners, Inc. (with current PCA) |
| Rawl Fasteners #14 | | PA 114 | Insulation fastener for use in steel, wood or concrete | Powers Fasteners, Inc. (with current PCA) |
| Rawl 2" Plate | 2" round | PA 114 | 2" round galvalume AZ55 membrane plate | Powers Fasteners, Inc. (with current PCA) |
| Rawl 3" Plate | 3" round | PA 114 | 3" round galvalume AZ55 steel plate | Powers Fasteners, Inc. (with current PCA) |
| Rawl Spike | | PA 114 | Insulation fastener and steel and plastic stress plate for concrete deck | Powers Fasteners, Inc. (with current PCA) |
| Rawlite | | PA 114 | Insulation fastener for cementitious and gypsum decks | Powers Fasteners, Inc. (with current PCA) |
| Rawlite 3" Plate | 3" round | PA 114 | 3" round galvalume AZ55 steel plate for use with Rawlite fasteners | Powers Fasteners, Inc. (with current PCA) |
| Insulcel | | PA 110 | Cellular insulating concrete system | Siplast (with current PCA) |



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| Product | Dimensions | Test Specification | Product Description | Manufacturer |
|---|---|---|---|---|
| Structodeck | various | PA 110 | High density wood fiber | Masonite (with current PCA) |

## EVIDENCE SUBMITTED:

| Test Agency/Identifier | Name | Report | Date |
|---|---|---|---|
| Factory Mutual Research Corporation | J.I. # 3000949 | FM Approval Report | 06.05.98 |
| | J.I. # 3001485 | FM Approval Report | 08.11.98 |
| | J.I. # 30016299 | FM Approval Report | 09.10.98 |
| | J.I. # 3D4A4.AM | FM Approval Report | 09.28.98 |
| | FMRC 1999 | Current Insulation Fastening Requirements | 01.01.99 |
| Underwriters Laboratories, Inc. | R 10167 (N) | Fire Classification -- see current directory | 01.01.95 |
| Dynatech Engineering, Inc. | 4360.03.95-1 | Wind Uplift Classification | 3.95 |
| | 4360.03.95-2 | Wind Uplift Classification | 3.95 |
| | 4361.5.95-1 | Wind Uplift Classification | 5.95 |
| Independent Roof Testing & Consultants of South Florida | IRT 99001 | Uplift Resistance PA 114 | 1.20.99 |
| Independent Roof Testing & Consultants of South Florida | IRT 99010<br>IRT 99011 | Uplift Resistance PA 114 | 2.11.99 |



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## APPROVED ASSEMBLIES

**Membrane Type:** BUR

**Deck Type 2I:** Steel, Insulated, New Construction

**Deck Description:** 18-22 ga. steel

**System Type B:** Base layer of insulation mechanically fastened, optional second layer adhered with approved asphalt.

**All General limitations apply.**

| Insulation Base Layer | Fastener Type | Fastening Detail No. (RAS 117) | Fasteners Per Board | Fastener Density |
|---|---|---|---|---|
| Approved Type(s): **E'NRG'Y 2, ACFoam-II** | | | | |
| Minimum: 1.3" x 4' x 4' | Hexcel S/P | [3] | 6 | 1:2.67 ft² |
| Minimum: 1.3" x 4' x 4' | UltraFast S/P | [3] | 6 | 1:2.67 ft² |
| Minimum: 1.3" x 4' x 4' | Ultragrip S/p | [3] | 6 | 1:2.67 ft² |
| Minimum: 1.3" x 4' x 4' | Roofgrip S/P | [3] | 6 | 1:2.67 ft² |
| Approved Type(s): **E'NRG'Y 2** | | | | |
| Minimum: 1.4" x 4' x 4' | Hexcel S/P | [3] | 6 | 1:2.67 ft² |
| Minimum: 1.4" x 4' x 4' | UltraFast S/P | [3] | 6 | 1:2.67 ft² |
| Minimum: 1.4" x 4' x 4' | Ultragrip S/p | [3] | 6 | 1:2.67 ft² |
| Minimum: 1.4" x 4' x 4' | Roofgrip S/P | [3] | 6 | 1:2.67 ft² |
| Approved Type(s): **MultiMax** | | | | |
| Minimum: 1.5" x 4' x 4' | Hexcel S/P | [3] | 5 | 1:3.2 ft² |
| Minimum: 1.5" x 4' x 4' | UltraFast S/P | [3] | 5 | 1:3.2 ft² |
| Minimum: 1.5" x 4' x 4' | Ultragrip S/p | [3] | 5 | 1:3.2 ft² |
| Minimum: 1.5" x 4' x 4' | Roofgrip S/P | [3] | 5 | 1:3.2 ft² |
| Approved Type(s): **ACFoam-II, E'NRG'Y 2, MultiMax** | | | | |
| Minimum: 2" x 4' x 4' | Hexcel S/P | [3] | 4 | 1:4 ft² |
| Minimum: 2" x 4' x 4' | UltraFast S/P | [3] | 4 | 1:4 ft² |
| Minimum: 2" x 4' x 4' | Ultragrip S/p | [3] | 4 | 1:4 ft² |
| Minimum: 2" x 4' x 4' | Roofgrip S/P | [3] | 4 | 1:4 ft² |
| Approved Type(s): **Fesco Foam** | | | | |
| Minimum: 1.5" x 4' x 4' | Hexcel S/P | [3] | 4 | 1:4 ft² |
| Minimum: 1.5" x 4' x 4' | UltraFast S/P | [3] | 4 | 1:4 ft² |
| Minimum: 1.5" x 4' x 4' | Ultragrip S/p | [3] | 4 | 1:4 ft² |
| Minimum: 1.5" x 4' x 4' | Roofgrip S/P | [3] | 4 | 1:4 ft² |
| Approved Type(s): **Fiber Glass** | | | | |
| Minimum: $^{15}/_{16}$" x 4' x 4' | Hexcel S/P | [3] | 6 | 1:2.67 ft² |
| Minimum: $^{15}/_{16}$" x 4' x 4' | UltraFast S/P | [3] | 6 | 1:2.67 ft² |
| Minimum: $^{15}/_{16}$" x 4' x 4' | Ultragrip S/p | [3] | 6 | 1:2.67 ft² |
| Minimum: $^{15}/_{16}$" x 4' x 4' | GlasFast P | [3] | 6 | 1:2.67 ft² |
| Minimum: $^{15}/_{16}$" x 4' x 4' | Roofgrip S/P | [3] | 6 | 1:2.67 ft² |



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| Insulation Base Layer | Fastener Type | Fastening Detail No. (RAS 117) | Fasteners Per Board | Fastener Density |
|---|---|---|---|---|
| Approved Type(s): **Fiber Glass** | | | | |
| Minimum: 2-¼" x 4' x 4' | Hexcel S/P | [3] | 4 | 1:4 ft² |
| Minimum: 2-¼" x 4' x 4' | UltraFast S/P | [3] | 4 | 1:4 ft² |
| Minimum: 2-¼" x 4' x 4' | Ultragrip S/p | [3] | 4 | 1:4 ft² |
| Minimum: 2-¼" x 4' x 4' | GlasFast P | [3] | 4 | 1:4 ft² |
| Minimum: 2-¼" x 4' x 4' | Roofgrip S/P | [3] | 4 | 1:4 ft² |
| Approved Type(s): **Fesco** | | | | |
| Minimum: ¾" x 2' x 4' | Hexcel S/P | [1] | 4 | 1:2 ft² |
| Minimum: ¾" x 2' x 4' | UltraFast S/P | [1] | 4 | 1:2 ft² |
| Minimum: ¾" x 2' x 4' | Ultragrip S/p | [1] | 4 | 1:2 ft² |
| Minimum: ¾" x 2' x 4' | Roofgrip S/P | [1] | 4 | 1:2 ft² |

**Note: Base layer shall be mechanically attached with fasteners and density described. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details).**

| Insulation Top Layer (Optional) | Fastener Type | Fastening Detail No. (RAS 117) | Fasteners Per Board | Fastener Density |
|---|---|---|---|---|
| Approved Type(s): **Any insulations listed for Base Layer, above** | | | | |
| Approved Type(s): **Retro-Fit** | | | | |
| Minimum: ½" x 2' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **Fiber Glass** | | | | |
| Minimum: ¾" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **Tapered Fesco** | | | | |
| Minimum: ¾" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **Tapered UltraGard** | | | | |
| Minimum: 1.3" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **Tapered Fiber Glass** | | | | |
| Minimum: ¾" x 4' x 4' | N/A | N/A | N/A | N/A |

**Note: Apply top layer of insulation in a full mopping of any approved mopping 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. Insulation listed as Base Layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.**



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| | |
|---|---|
| Base Sheet: | (Optional) Install one ply of JM GlasBase or GlasBase Plus directly to the insulated substrate. Adhere in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.. If base sheet is applied directly to polyisocyanurate insulation only a spot or strip mopped application as detailed in this approval is approved; see General Limitation #4. |
| Ply Sheet: | Two, three or four plies of JM GlasPly IV or GlasPly Premier ply sheet adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.. |
| Cap Sheet: | (Optional) One ply of JM GlasKap adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.. |
| Surfacing: | (Required if no cap sheet is used) Install one of the following:<br>1. 2-3 gallons/sq. TopGard A or B emulsion or 2 gallons/sq. aluminum coating. Coatings shall be applied according to the manufacturers' recommendations regarding specific application rates and weathering.<br>2. Flood coat and gravel/slag with an application rate of 60 lbs./sq. & 400 lbs./sq., respectively. |
| Maximum Design Pressure: | -52.5 psf (See General Limitation #9) |



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**Membrane Type:** BUR

**Deck Type 2I:** Steel, Insulated, New Construction

**Deck Description:** 18-22 ga. steel

**System Type B:** Base layer of insulation mechanically fastened, optional second layer adhered with approved asphalt.

**Deck :** 18-22 ga Grade E steel deck shall be secured 6" o.c. to structural supports spaced a maximum of 5 ft on centers with 5/8" puddle welds.

**All General limitations apply.**

| Insulation Base Layer | Fastener Type | Fastening Detail No. (RAS 117) | Fasteners Per Board | Fastener Density |
|---|---|---|---|---|
| Approved Type(s): **E'NRG'Y 2, Fesco Foan** | | | | |
| Minimum: 1.5" x 4' x 8' | UltraFast S/P | [3] | 8 | 1:4 ft² |
| Approved Type(s): **Fesco** | | | | |
| Minimum: 1" x 4' x 4' | UltraFast S/P | [3] | 8 | 1:2 ft² |

**Note: Base layer shall be mechanically attached with fasteners and density described. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details).**

| Insulation Top Layer (Optional) | Fastener Type | Fastening Detail No. (RAS 117) | Fasteners Per Board | Fastener Density |
|---|---|---|---|---|
| Approved Type(s): **Any insulations listed for Base Layer, above** | | | | |
| Approved Type(s): **Retro-Fit** | | | | |
| Minimum: ½" x 2' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **Fiber Glass** | | | | |
| Minimum: ¾" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **Tapered Fesco** | | | | |
| Minimum: ¾" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **Tapered E'NRG'Y 2** | | | | |
| Minimum: 1.3" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **Tapered Fiber Glass** | | | | |
| Minimum: ¾" x 4' x 4' | N/A | N/A | N/A | N/A |



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**Note: Apply top layer of insulation in a full mopping of any approved mopping asphalt within the EVT range and at a rate of 20-40 lbs/100 ft$^2$. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as Base Layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.**

| | |
|---|---|
| Base Sheet: | (Optional) Install one ply of JM GlasBase or GlasBase Plus directly to the insulated substrate. Adhere in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.. If base sheet is applied directly to polyisocyanurate insulation only a spot or strip mopped application as detailed in this approval is approved; see General Limitation #4. |
| Ply Sheet: | Two, three, or four plies of JM GlasPly IV or GlasPly Premier adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.. |
| Cap Sheet: | (Optional) One ply of JM GlasKap adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.. |
| Surfacing: | (Required if no cap sheet is used) Install one of the following:<br>1. 2-3 gallons/sq. TopGard A or B emulsion or 2 gallons/sq. aluminum coating. Coatings shall be applied according to the manufacturers' recommendations regarding specific application rates and weathering.<br>2. Flood coat and gravel/slag with an application rate of 60 lbs./sq. & 400 lbs./sq., respectively. |
| Maximum Design Pressure: | -52.5 psf (See General Limitation #7) |



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**Membrane Type:** BUR

**Deck Type 2I:** Steel, Insulated, New Construction

**Deck Description:** 18-22 ga. steel

**System Type B:** Base layer of insulation mechanically fastened, optional second layer adhered with approved asphalt.

**Deck :** Deck shall be secured 6" o.c. to structural supports with screws or puddle welds.

**All General limitations apply.**

| Insulation Base Layer | Fastener Type | Fastening Detail No. (RAS 117) | Fasteners Per Board | Fastener Density |
|---|---|---|---|---|
| Approved Type(s): **E'NRG'Y 2** | | | | |
| Minimum: 2" x 4' x 8' | UltraFast S/P | [3] | 22 | 1:1.45 ft² |

**Note: Base layer shall be mechanically attached with fasteners and density described above. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Miami-Dade County Roofing Application Standard RAS 117 for fastening details).**

| Insulation Top Layer | Fastener Type | Fastening Detail No. (RAS 117) | Fasteners Per Board | Fastener Density |
|---|---|---|---|---|
| Approved Type(s): **Retro-Fit** | | | | |
| Minimum: ½" x 2' x 4' | N/A | N/A | N/A | N/A |

**Note: Apply top layer of insulation in a full mopping of any approved mopping 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. Insulation listed as Base Layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.**

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

Ply Sheet: Three plies of JM GlasPly IV or GlasPly Premier adhered in a full mopping of hot asphalt if optional cap sheet is utilized or four plies of JM GlasPly IV or GlasPly Premier adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq..

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



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

1. 2-3 gallons/sq. TopGard A or B emulsion or 2 gallons/sq. aluminum coating. Coatings shall be applied according to the manufacturers' recommendations regarding specific application rates and weathering.
2. Flood coat and gravel/slag with an application rate of 60 lbs./sq. & 400 lbs./sq., respectively.

Maximum Design Pressure: -75 psf (See General Limitation #7)



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**Membrane Type:** BUR

**Deck Type 2I:** Steel, Insulated, New Construction

**Deck Description:** 18-22 ga. steel

**System Type C:** One or more layers of insulation simultaneously attached.

**Deck :** 18-22 ga Grade E steel deck shall be secured 6" o.c. to structural supports spaced a maximum of 5 ft on centers with 5/8" puddle welds.

**All General limitations apply.**

| Insulation Base Layer | Fastener Type | Fastening Detail No. (RAS 117) | Fasteners Per Board | Fastener Density |
|---|---|---|---|---|
| Approved Type(s): **E'NRG'Y 2, ACFoam-II** | | | | |
| Minimum: 1.3" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **E'NRG'Y 2** | | | | |
| Minimum: 1.4" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **MultiMax** | | | | |
| Minimum: 1.5" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **ACFoam-II, E'NRG'Y 2, MultiMax** | | | | |
| Minimum: 1" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **Fesco Foam** | | | | |
| Minimum: 1.5" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **Fiber Glass** | | | | |
| Minimum: $^{15}/_{16}$" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **Fesco** | | | | |
| Minimum: ¾" x 2' x 4' | N/A | N/A | N/A | N/A |

**Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. 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. Please refer to Roofing Application Standard RAS 117 for insulation attachment.**

| Insulation Top Layer | Fastener Type | Fastening Detail No. (RAS 117) | Fasteners Per Board | Fastener Density |
|---|---|---|---|---|
| Approved Type(s): **E'NRG'Y 2** | | | | |
| Minimum: 1.5" x 4' x 8' | UltraFast | [4] | 8 | 1.4 ft² |



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| | | | | |
|---|---|---|---|---|
| Approved Type(s): **Fesco Foam** | | | | |
| Minimum: 1.5" x 4' x 4' | Hexcel S/P | [3] | 4 | 1:4 ft² |
| Minimum: 1.5" x 4' x 4' | UltraFast S/P | [3] | 4 | 1:4 ft² |
| Minimum: 1.5" x 4' x 4' | Ultragrip S/p | [3] | 4 | 1:4 ft² |
| Minimum: 1.5" x 4' x 4' | Roofgrip S/P | [3] | 4 | 1:4 ft² |
| Approved Type(s): **Fesco** | | | | |
| Minimum: 1" x 2' x 4' | UltraFast | [1] | 4 | 1:2 ft² |

**Note: 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. Please refer to Roofing Application Standard RAS 117 for insulation attachment.**

Base Sheet: (Optional) Install one ply of JM GlasBase, GlasBase Plus or PermaPly No. 28 directly over the top layer of insulation. Adhere in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.. If base sheet is applied directly to polyisocyanurate insulation only a spot or strip mopped application as detailed in this approval is approved; see General Limitation #4.

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

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

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

1. 2-3 gallons/sq. TopGard A or B emulsion or 2 gallons/sq. aluminum coating. Coatings shall be applied according to the manufacturers' recommendations regarding specific application rates and weathering.

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

Maximum Design Pressure: -52.5 psf (See General Limitation #7)



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**Membrane Type:** BUR

**Deck Type 2I:** Steel, Insulated, New Construction

**Deck Description:** 18-22 ga. steel

**System Type C:** One or more layers of insulation simultaneously attached.

**Deck :** 18-22 ga Grade C steel deck shall be secured 6" o.c. to structural supports with screws or puddle welds.

**All General limitations apply.**

| Optional Insulation Base Layer | Fastener Type | Fastening Detail No. (RAS 117) | Fasteners Per Board | Fastener Density |
|---|---|---|---|---|
| Approved Type(s): **E'NRG'Y 2, ACFoam-II** | | | | |
| Minimum: 1.3" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **E'NRG'Y 2** | | | | |
| Minimum: 1.4" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **MultiMax** | | | | |
| Minimum: 1.5" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **ACFoam-II, E'NRG'Y 2, MultiMax** | | | | |
| Minimum: 1" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **Fesco Foam** | | | | |
| Minimum: 1.5" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **Fiber Glass** | | | | |
| Minimum: $^{15}/_{16}$" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **Fesco** | | | | |
| Minimum: ¾" x 2' x 4' | N/A | N/A | N/A | N/A |

**Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. 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. Please refer to Roofing Application Standard RAS 117 for insulation attachment.**

| Insulation Top Layer | Fastener Type | Fastening Detail No. (RAS 117) | Fasteners Per Board | Fastener Density |
|---|---|---|---|---|
| Approved Type(s): **Fesco** | | | | |
| Minimum: ¾" x 4' x 4' | UltraFast S/P | [3] | 12 | 1:1.33 ft² |
| Approved Type(s): **DuraBoard** | | | | |
| Minimum: ¾" x 4' x 4' | UltraFast S/P | [3] | 12 | 1:1.33 ft² |



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**Note: 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. Please refer to Roofing Application Standard RAS 117 for insulation attachment.**

| | |
|---|---|
| Base Sheet: | (Optional) Install one ply of JM GlasBase, GlasBase Plus or PermaPly No. 28 directly over the top layer of insulation. Adhere in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.. If base sheet is applied directly to polyisocyanurate insulation only a spot or strip mopped application as detailed in this approval is approved; see General Limitation #4. |
| Ply Sheet: | Two, three or four plies of JM GlasPly IV or GlasPly Premier adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.. |
| Cap Sheet: | (Optional) One ply of JM GlasKap adhered in a full mopping of hot asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.. |
| Surfacing: | (Required if no cap sheet is used) Install one of the following:<br>1. 2-3 gallons/sq. TopGard A or B emulsion or 2 gallons/sq. aluminum coating. Coatings shall be applied according to the manufacturers' recommendations regarding specific application rates and weathering.<br>2. Flood coat and gravel/slag with an application rate of 60 lbs./sq. & 400 lbs./sq., respectively. |
| Maximum Design Pressure: | -75 psf (See General Limitation #7) |



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**Membrane Type:** BUR

**Deck Type 2I:** Steel, Insulated, New Construction

**Deck Description:** 18-22 ga. steel

**System Type E:** All layers of insulation simultaneously mechanically fastened with base sheet.

**All General and System Limitations apply.**

| Insulation Layer | Fastener Type | Fastening Detail No. (RAS 117) | Fasteners Per Board | Fastener Density |
|---|---|---|---|---|
| One or more layers of any of the following insulations: | | | | |
| Approved Type(s): **UltraGard, ACFoam-II, E'NRG'Y 2, MultiMax** | | | | |
| Minimum: 1.3" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **Fesco Foam** | | | | |
| Minimum: 1.5" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **Fes-Core** | | | | |
| Minimum: 2" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **Fesco** | | | | |
| Minimum: ¾" x 2' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **Fiber Glass** | | | | |
| Minimum: ¾" x 4' x 4' | N/A | N/A | N/A | N/A |
| Approved Type(s): **Retro-Fit Board** | | | | |
| Minimum: ½" x 2' x 4' | N/A | N/A | N/A | N/A |

**Note: All layers of insulation and base sheet shall be simultaneously attached. See base sheet below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment requirements. Insulation shall have preliminary attachment, prior to the installation of the roofing membrane. 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.**

Base Sheet: One ply of JM PermaPly No. 28, DynaBase, GlasBase, GlasBase Plus, Dynabase or Ventsulation fastened to the deck through the insulation as described below:

Fastening: Fasten base sheet with Rawl #12 or #14 or UltraFast screw at a 4" side lap 9" o.c. and two rows staggered in the center of the sheet 18" o.c..

Ply Sheet: One, two or three plies of GlasPly Premier or GlasPly IV adhered to the base sheet with approved mopping of asphalt applied within the EVT range and at a rate of 20-40 lbs./sq..



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Cap Sheet: (Optional) One ply of JM GlasKap adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. (See JM application instructions for approved method of installation).

Surfacing: Required if no cap sheet is used:

1. 2-3 gallons TopGard A or B emulsion/sq. or 2 gallons aluminum coating/sq.. Coatings shall be applied according to the manufacturers' recommendations regarding specific application rates and weathering.

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

Maximum Design Pressure: -52.5 psf. (See General Limitation #9)



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**Membrane Type:** BUR

**Deck Type 2I:** Steel, Insulated, New Construction

**Deck Description:** 18-22 ga. steel

**System Type E:** All layers of insulation simultaneously mechanically fastened with base sheet.

**Deck :** 18-22 ga Grade C steel deck, to structural supports spaced a maximum of 5 ft on center.

**All General and System Limitations apply.**

| Insulation Layer | Fastener Type | Fastening Detail No. (RAS 117) | Fasteners Per Board | Fastener Density |
|---|---|---|---|---|
| One or more layers of any of the following insulations: | | | | |
| Approved Type(s): **E'NRG'Y 2** | | | | |
| Minimum: 1.5" x 4' x 8' | UltraFast S/P | [4] | 4 | 1:8 $ft^2$ |

**Note: All layers of insulation and base sheet shall be simultaneously attached. See base sheet below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment requirements. Insulation shall have preliminary attachment, prior to the installation of the roofing membrane. 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.**

Base Sheet: One ply of JM PermaPly No. 28, DynaBase, GlasBase, GlasBase Plus, Dynabase or Ventsulation fastened to the deck through the insulation as described below:

Fastening: Fasten base sheet with Rawl #12 or #14 or UltraFast screw at a 4" side lap 9" o.c. and two rows staggered in the center of the sheet 12" o.c..

Ply Sheet: One, two or three plies of GlasPly Premier or GlasPly IV adhered to the base sheet with approved mopping of asphalt applied within the EVT range and at a rate of 20-40 lbs./sq..

Membrane: (Optional) One ply of JM GlasKap adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. (See JM application instructions for approved method of installation).

Surfacing: If no cap sheet is use install one of the following:

1. 2-3 gallons TopGard A or B emulsion/sq. or 2 gallons aluminum coating/sq.. Coatings shall be applied according to the manufacturers' recommendations regarding specific application rates and weathering.
2. Flood coat and gravel/slag with an application rate of 60 lbs./sq. & 400 lbs./sq., respectively.

Maximum Design Pressure: -97.5 psf. (See General Limitaiton #7)



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## STEEL DECK SYSTEM LIMITATIONS:

1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117, calculations shall be signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant.
2. For steel deck application where specific deck construction is not referenced: The deck shall be a minimum 22 gage attached with 5/8" puddle welds with weld washers at every flute with maximum deck spans of 5 ft. o.c.

## 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 Engineer, Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. **(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.)**



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## NOTICE OF ACCEPTANCE STANDARD CONDITIONS

1 Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.□

2 Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.□

3 Renewals of Acceptance will not be considered if:
   a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
   b) The product is no longer the same product (identical) as the one originally approved;
   c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
   d) The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.□

4 Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.□

5 Any of the following shall also be grounds for removal of this Acceptance:
   a) Unsatisfactory performance of this product or process;
   b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes. □

6 The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.□

7 A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all times. The copies need not be resealed by the engineer.□

8 Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.□

9 This Acceptance contains pages 1 through 25.

**END OF THIS ACCEPTANCE**



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