MIAMI-DADE

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)

**Tremco Inc.**
**3735 Green Road**
**Beachwood, OH 44122**

**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: Tremco Modified Bitumen over Steel Decks**

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

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

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

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

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA No. 01-1127.04 and consists of pages 1 through 14.
The submitted documentation was reviewed by Jorge L. Acebo

PRODUCT CONTROL ACCEPTED

## ROOFING ASSEMBLY APPROVAL

| | |
|---|---|
| **Category:** | Roofing |
| **Sub-Category:** | SBS Modified Bitumen |
| **Deck Type:** | Steel |
| **Maximum Design Pressure** | **-82.5 psf** |
| **Fire Classification:** | See General Limitation #1 |

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

### TABLE 1

| Product | Dimensions | Test Specifications | Product Description |
|---|---|---|---|
| BURMastic Base Sheet Adhesive | 5 or 55 gallons | Proprietary | Asphalt based sheet adhesive. |
| BURmastic Adhesive | 5 or 55 gallon | Proprietary | Cold applied ply sheet and surfacing adhesive. |
| BURmastic Composite Ply | 3' x 72' | ASTM D 4601 Type II | Asphalt coated, polyester/fiberglass reinforced base/ply sheet. |
| BURmastic FR | 5 or 55 gallon | Proprietary | Cold applied, fire rated surfacing adhesive. |
| BURmastic Glass Ply | 3' x 72' | ASTM D 4601 Type II | Asphalt coated, fiberglass reinforced base/ply sheet. |
| BURmastic Glass Ply | 3' x 108' | ASTM D 4601 Type II | Asphalt coated, fiberglass reinforced base/ply sheet. |
| Double Duty Aluminum | 5 gallons | ASTM D 2824 | Aluminum pigmented roof coating. |
| Fas-n-Free Adhesive | System | Proprietary | One part, solvent free insulation adhesive. |
| High Build Reflective Coating | 5 and 55 gallons | Proprietary | High solids, water-based, elastomeric coating. |
| One Coat Aluminum | 5 and 55 gallons | ASTM D 2824 Type III | Asphalt based, fibered aluminum roof coating. |
| Polarcote FR | 5 and 55 gallons | Proprietary | Fire retardent acrylic/polymer blend emulsion. |
| PolyTHERM Roofing Ply | 39 ¾" x 318' | Proprietary | Non-woven, heat resistant polyester ply sheet. |
| POWERply Standard FR | 39 ½" x 34.5' | ASTM D 6163 | Fiberglass reinforced modified-bitumen membrane. |

| Product | Dimensions | Test Specifications | Product Description |
|---|---|---|---|
| POWERply Premium FR | 39 ½" x 34.5' | ASTM D 6162 | Composite reinforced modified-bitumen membrane. |
| POWERply Supreme HT FR | 39 ½" x 34.5' | ASTM D 6162 | Composite reinforced modified-bitumen membrane. |
| POWERply Premium Smooth | 39 ½" x 51.5' | ASTM D 6162 | Composite reinforced modified-bitumen membrane. |
| POWERply Supreme Smooth | 39 ½" x 34.5' | ASTM D 6162 | Composite reinforced modified-bitumen membrane. |
| POWERply HE FR | 39 ½" x 34.5' | ASTM D 6164 | Polyester reinforced modified-bitumen membrane. |
| POWERply Standard Cold Adhesive | 5 and 55 gallon containers | Proprietary | Cold applied ply sheet and membrane adhesive. |
| POWERply Modified Hot Melt Adhesive | 60 lb. Keg | Proprietary | Polymer modified hot melt adhesive. |
| POWERply IV | 5 sq./roll | ASTM D 2178 Type IV | Type IV asphalt impregnated glass felt for use in conventional and modified bitumen built up roofing. |
| POWERply VI | 5 sq./roll | ASTM D 2178 Type VI | Type IV asphalt impregnated glass felt for use in conventional and modified bitumen built up roofing. |
| Premium III | 100 lb. keg | ASTM D 312 | Premium grade Type III asphalt. |
| Premium IV | 100 lb. keg | ASTM D 312 | Premium grade Type IV asphalt. |
| THERMastic Adhesive | 60 lb. Containers | Proprietary | Polymer modified hot melt adhesive. |
| THERMglass Type IV | 3' x 180' | ASTM D 2178 Type IV | Type IV asphalt impregnated glass felt. |
| THERMglass Type VI | 3' x 180' | ASTM D 2178 Type VI | Type VI asphalt impregnated glass felt. |
| Tremlastic | 5 or 55gallon | Proprietary | Polymer modified asphalt emulsion. |
| Tremlastic S | 5 or 55gallon | Proprietary | Non-fibered, polymer modified asphalt emulsion. |
| TREMprime ™ Q.D. | 1,5 or 55 gallon containers | ASTM D 41 | Asphalt based roofing primer. |
| Tremprime ® WB | 5 gallon container | Proprietary | Water based roofing primer. |

## APPROVED INSULATIONS:

**Table 2**

| Product | Dimensions | Test Specification | Product Description | Manufacturer |
|---|---|---|---|---|
| ACFoam I, ACFoam II | Various | TAS 110 | Polyisocyanurate foam insulation | Atlas Energy Products (With current NOA) |
| High Density Wood Fiberboard | Various | TAS 110 | Wood fiber insulation board | Generic (With current NOA) |
| Perlite Insulation | Various | TAS 110 | Perlite insulation board | Generic (With current NOA) |
| Ultra/M-II ISO/glas | Various | TAS 110 | Polyisocyanurate foam insulation | Homasote Co. (With current NOA) |
| E'NRG'Y-2, PSI-25 | Various | TAS 110 | Polyisocyanurate foam insulation | Johns Manville Corp. (With current NOA) |
| Fiber Glass | Various | TAS 110 | Glass fiber board | Johns Manville Corp. (With current NOA) |
| Multi-Max | Various | TAS 110 | Polyisocyanurate foam insulation | R-Max (With current NOA) |

## APPROVED FASTENERS:

**Table 3**

| Fastener Number | Product Name | Product Description | Dimensions | Manufacturer (With Current NOA) |
|---|---|---|---|---|
| 1. | #12 Roofgrip Fasteners | Insulation fastener for wood and steel. | | ITW Buildex Corp. |
| 2. | Hextra Plus | Pre-assembled Insulation fastener and plate | | ITW Buildex Corp. |
| 3. | Metal Plate | Galvalume stress plate. | 3" round<br>3" square | ITW Buildex Corp. |
| 4. | Gearlok Plastic Plate | Polypropylene round plate | 3.2" | ITW Buildex Corp. |
| 5. | Olympic Fastener #12 & #14 | Insulation fastener | | Olympic Manufacturing Group, Inc. |
| 6. | Olympic Polypropylene | Polypropylene plastic plate | 3.25" round | Olympic Manufacturing Group, Inc. |
| 7. | Olympic Standard | 3" round galvalume AZ50 steel plate | 3" round | Olympic Manufacturing Group, Inc. |
| 8. | Insul-Fixx Fastener | Insulation fastener for steel and wood decks | | SFS Stadler, Inc. |

## APPROVED FASTENERS:

**Table 3**

| Fastener Number | Product Name | Product Description | Dimensions | Manufacturer (With Current NOA) |
|---|---|---|---|---|
| 9. | Insul-Fixx S Plate | 3" round galvalume AZ50 steel plate | 3" round | SFS Stadler, Inc. |
| 10. | Insul-Fixx P Plate | 3" round polyethylene stress plate | 3" round | SFS Stadler, Inc. |
| 11. | Tremco #14 | Insulation fastener | | Tremco, Inc. |
| 12. | Tremco Plastic Plates | Polypropylene plastic plate | 3.25" round | Tremco, Inc. |
| 13. | Tremco Metal Plates | 3" round galvalume AZ50 steel plate | 3" round | Tremco, Inc. |

## EVIDENCE SUBMITTED:

| Test agency | Test Identifier | Test Name/Report | Date |
|---|---|---|---|
| Factory Mutual Research Corporation | 1994 FMRC | Current Insulation Fastening Requirements | 01/01/94 |
| Factory Mutual Research Corporation | J.I. #2Y9A5.AM | Class 4470 | 11/13/95 |
| Factory Mutual Research Corporation | J.I. #2D1A8.AM | Class 4470 | 07/27/2000 |
| Factory Mutual Research Corporation | J.I. #0D0A9.AM | Class 4470 | 08/01/2000 |
| PRI Asphalt Technologies, Inc. | TRE-15-02-01 | Physical Properties | 05/25/99 |
| IRT of S. Florida, Inc. | 000-12 | TAS 114 | 09/09/2000 |
| Underwriters Laboratories, Inc. | R6692 | Fire Classification Compliance | 01/01/94 |

## APPROVED ASSEMBLIES:

**Membrane Type:** SBS

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

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

**System Type B (1):** Base layer of insulation mechanically fastened, top layer 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/ft$^2$ |
|---|---|---|
| **ACFoam-I, Ultra/M-II Iso-Glas, Permalite Isolite, ACFoam-II, White Line, UltraGard Gold, Multi-Max** | | |
| **Minimum 1.5" thick** | **1, 5 or 8** | **1:2 ft$^2$** |
| **Fiberglas** | | |
| **Minimum $^{15}/_{16}$" thick** | **1, 5 or 8** | **1:2 ft$^2$** |

**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).**

| Top Insulation Layer | Insulation Fasteners (Table 3) | Fastener Density/ft$^2$ |
|---|---|---|
| **Fiberglas** | | |
| **Minimum $^{15}/_{16}$" thick** | **N/A** | **N/A** |
| **Pelite** | | |
| **Minimum 1" thick** | **N/A** | **N/A** |

**Note: Top layer of insulation shall be bonded with 1/2" ribbons of FAS-n-FREE adhesive applied at 1.5 gal./sq. for perlite and polyisocyanurate and 2 gal./sq. for fiberglas insulation.**

**Base Sheet:** (Optional) One or more plies of BURmastic Composite Ply, BURmastic Glass Ply, BURmastic Glass Ply28#, POWERply HT Base Sheet, POWERply HE Base Sheet or POWERply Heavy Duty Base Sheet adhered with THERmastic, POWERply Modified Hot Melt, Premium III, Premium IV or type III asphalt.

Ply Sheet: (Optional) Two or more plies of THERMglass Type IV, Type VI, POWERply Type IV, Type VI, Polytherm or approved Type IV or Type VI ply sheet adhered with THERMastic, POWERply Modified Hot Melt, Premium III, Premium IV or Type III asphalt.

**Membrane:** POWERply Standard FR, POWERply Premium FR, POWERply Supreme HT FR, POWERply HE FR, POWERply Premium Smooth or POWERply Supreme Smooth adhered to with THERMastic, POWERply Modified Hot Melt, Premium III, Premium IV or Type III asphalt.

**Surfacing:** (Optional: Required over Smooth applications) Install one of the following:

1. Gravel (400 lbs/sq.) or slag (300 lbs/sq.) in a flood coat of POWERply Modified Cold Melt Adhesive at a rate of 5-6.5 gal./sq. or Tremlastic or Tremlastic S at a rate of 4-5 gal./sq.
2. Tremlastic or Tremlastic S at a rate of 4-5 gal./sq. followed by:
   A. Double Duty Aluminum at rate of ¾ gal./sq.
   B. Two coats of Polarcote FR at a rate of 1 gal./sq. per coat.
   C. One coat Aluminum at a rate of 2-2.5 gal./sq.
   D. Minimum 60 lbs #11 granules into wet Tremlastic.
3. High Build Reflective Coating at a rate of 4 gal./sq.
4. One Coat Aluminum at a rate of 2-2.5 gal./sq.

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

**Membrane Type:** SBS

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

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

**System Type B (2):** Base layer of insulation mechanically fastened, top layer 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/ft$^2$ |
|---|---|---|
| **Any approved polyisocyanurate Minimum 2" thick** | **11** | **1:2 ft$^2$** |

**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).**

| Top Insulation Layer | Insulation Fasteners (Table 3) | Fastener Density/ft$^2$ |
|---|---|---|
| **High Density Wood Fiber Minimum ½" thick** | **N/A** | **N/A** |

**Note: Apply top layer of insulation in a full mopping of approved hot asphalt applied within the EVT range and at a rate of 20-40 lbs/100 ft$^2$ or in Fas-n-Free Insulation Adhesive applied in ½" to ¾" wide ribbons at a coverage rate of 1.5 gal./sq. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as the base layer shall only be used as the base layer 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 face down.**

**Base Sheet:** (Optional) One ply more plies of BURmastic Composite Ply, BURmastic Glass Ply, BURmastic Glass Ply28#, POWERply HT Base Sheet, POWERply HE Base Sheet or POWERply Heavy Duty Base Sheet adhered with THERmastic, POWERply Modified Hot Melt, Premium III, Premium IV or type III asphalt.

**Ply Sheet:** One or more plies of THERMglass Type IV, Type VI, POWERply Type IV, Type VI, Polytherm or approved Type IV or Type VI ply sheet adhered with THERMastic, POWERply Modified Hot Melt, Premium III, Premium IV or Type III asphalt.

**Membrane:** POWERply Standard FR, POWERply Premium FR, POWERply Supreme HT FR, POWERply HE FR, POWERply Premium Smooth or POWERply Supreme Smooth adhered to with THERMastic, POWERply Modified Hot Melt, Premium III, Premium IV or Type III asphalt.

**Surfacing:** (Optional: Required over Smooth applications) Install one of the following:

1. Gravel (400 lbs/sq.) or slag (300 lbs/sq.) in a flood coat of POWERply Modified Cold Melt Adhesive at a rate of 5-6.5 gal./sq. or Tremlastic or Tremlastic S at a rate of 4-5 gal./sq.
2. Tremlastic or Tremlastic S at a rate of 4-5 gal./sq. followed by:
   A. Double Duty Aluminum at rate of ¾ gal./sq.
   B. Two coats of Polarcote FR at a rate of 1 gal./sq. per coat.
   C. One coat Aluminum at a rate of 2-2.5 gal./sq.
   D. Minimum 60 lbs #11 granules into wet Tremlastic.
3. High Build Reflective Coating at a rate of 4 gal./sq.
4. One Coat Aluminum at a rate of 2-2.5 gal./sq.

**Maximum Design Pressure:** -82.5 psf; (See General Limitation #7)

**Membrane Type:** SBS

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

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

**System Type B (3):** Base layer of insulation mechanically fastened, top layer 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/ft$^2$** |
|---|---|---|
| **Any approved polyisocyanurate Minimum 2" thick** | **11** | **1:2 ft$^2$** |

**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).**

| **Top Insulation Layer** | **Insulation Fasteners (Table 3)** | **Fastener Density/ft$^2$** |
|---|---|---|
| **High Density Wood Fiber Minimum ½" thick** | **N/A** | **N/A** |

**Note: Apply top layer of insulation in a full mopping of approved hot asphalt applied within the EVT range and at a rate of 20-40 lbs/100 ft$^2$ or in Fas-n-Free Insulation Adhesive applied in ½" to ¾" wide ribbons at a coverage rate of 1.5 gal./sq. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as the base layer shall only be used as the base layer 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 face down.**

**Base Sheet:** (Optional) One ply more plies of BURmastic Composite Ply, BURmastic Glass Ply, BURmastic Glass Ply28#, POWERply HT Base Sheet, POWERply HE Base Sheet or POWERply Heavy Duty Base Sheet adhered with adhered with POWERply Standard Cold Adhesive at a rate of 1.5-2 gal./sq.

**Ply Sheet:** One or more plies of BURmastic Composite Ply, BURmastic Glass Ply, BURmastic Glass Ply28#, POWERply HT Base Sheet, POWERply HE Base Sheet, POWERply Heavy Duty Base Sheet or approved G2 fiberglass base sheet adhered with adhered with POWERply Standard Cold Adhesive at a rate of 1.5-2 gal./sq.

Membrane: POWERply Standard FR, POWERply Premium FR, POWERply Supreme HT FR, POWERply HE FR, POWERply Premium Smooth or POWERply Supreme Smooth adhered with POWERply Standard Cold Adhesive at a rate of 1.5-2 gal./sq.

**Surfacing:** (Optional: Required over Smooth applications) Install one of the following:

1. Gravel (400 lbs/sq.) or slag (300 lbs/sq.) in a flood coat of BURMastic Adhesive at a rate of 5-6.5 gal./sq. or Tremlastic or Tremlastic S at a rate of 4-5 gal./sq.
2. Tremlastic or Tremlastic S at a rate of 4-5 gal./sq. followed by:
   A. Double Duty Aluminum at rate of ¾ gal./sq.
   B. Two coats of Polarcote FR at a rate of 1 gal./sq. per coat.
   C. One coat Aluminum at a rate of 2-2.5 gal./sq.
   D. Minimum 60 lbs #11 granules into wet Tremlastic.
3. High Build Reflective Coating at a rate of 4 gal./sq.
4. One Coat Aluminum at a rate of 2-2.5 gal./sq.

**Maximum Design Pressure:** **-82.5 psf;** (See General Limitation #7)

**Membrane Type:** SBS

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

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

**System Type C:** All layers of insulation simultaneously attached.

**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/ft$^2$ |
|---|---|---|
| **Fiberglas Minimum $^{15}/_{16}$" thick** | **N/A** | **N/A** |
| **Perlite, Wood Fiber Minimum 1" thick** | **N/A** | **N/A** |

**Note: All layers shall be simultaneously attached; see top layer below for fasteners and density.**

| Top Insulation Layer | Insulation Fasteners (Table 3) | Fastener Density/ft$^2$ |
|---|---|---|
| **Fiberglas Minimum $^{15}/_{16}$" thick** | **1, 5 or 8** | **1:2 ft$^2$** |
| **Perlite, Wood Fiber Minimum ½" thick** | **1, 5 or 8** | **1:2 ft$^2$** |

**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) One or more plies of BURmastic Composite Ply, BURmastic Glass Ply, BURmastic Glass Ply28#, POWERply HT Base Sheet, POWERply HE Base Sheet or POWERply Heavy Duty Base Sheet adhered with THERmastic, POWERply Modified Hot Melt, Premium III, Premium IV or type III asphalt.

**Ply Sheet:** (Optional) Two or more plies of THERMglass Type IV, Type VI, POWERply Type IV, Type VI, Polytherm or approved Type IV or Type VI ply sheet adhered with THERMastic, POWERply Modified Hot Melt, Premium III, Premium IV or Type III asphalt.

**Membrane:** POWERply Standard FR, POWERply Premium FR, POWERply Supreme HT FR, POWERply HE FR, POWERply Premium Smooth or POWERply Supreme Smooth adhered to with THERMastic, POWERply Modified Hot Melt, Premium III, Premium IV or Type III asphalt.

**Surfacing:** (Optional: Required over Smooth applications) Install one of the following:

1. Gravel (400 lbs/sq.) or slag (300 lbs/sq.) in a flood coat of POWERply Modified Cold Melt Adhesive at a rate of 5-6.5 gal./sq. or Tremlastic or Tremlastic S at a rate of 4-5 gal./sq.
2. Tremlastic or Tremlastic S at a rate of 4-5 gal./sq. followed by:
   A. Double Duty Aluminum at rate of ¾ gal./sq.
   B. Two coats of Polarcote FR at a rate of 1 gal./sq. per coat.
   C. One coat Aluminum at a rate of 2-2.5 gal./sq.
   D. Minimum 60 lbs #11 granules into wet Tremlastic.
3. High Build Reflective Coating at a rate of 4 gal./sq.
4. One Coat Aluminum at a rate of 2-2.5 gal./sq.

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

## 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 equivalent or enhanced fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117; calculations shall be signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant.
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 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 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