



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786)315-2590 F (786) 31525-99

www.miamidade.gov/economy

The Garland Company, Inc.
3800 East 91st Street
Cleveland, OH 44105-2197

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Garland SA Modified Bitumen Roof System Over Concrete Deck

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

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

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

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

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

This NOA renews and revises NOA No. 15-0508.02 and consists of pages 1 through 10.
The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 16-0607.06
Expiration Date: 08/04/20
Approval Date: 07/28/16
Page 1 of 10

ROOFING ASSEMBLY NOTICE OF ACCEPTANCE

Category: Roofing
Sub-Category: Modified Bitumen
Material: SBS
Deck Type: Concrete
Maximum Design Pressure -202.5 psf.

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> |
|-------------------------------|-------------------------|---------------------------|--|
| HPR SA FR Base Sheet | 39" x 51' | ASTM D 6163 | SBS modified, fiberglass reinforced self-adhered base sheet. |
| StressPly SA FR Mineral | 39" x 34'8" | ASTM D 6163, Grade G | SBS modified, fire retardant, fiberglass reinforced, mineral surfaced, self-adhering membrane. |
| GarMesh | 6" x 150' 12" x 150' | ASTM D 1668 | SBR coated woven fiberglass reinforcing membrane. |
| Flashing Bond | 5 gallon | ASTM D 4586 | Trowel grade, asphalt based roofing mastic for use in repair and patching against leaks in built-up asphalt roofs. |
| Silver-Flash | 5 gallon | ASTM D 4586 | Trowel grade, asphalt based roofing mastic for use in repair and patching against leaks in built-up asphalt roofs. |
| Weatherking Flashing Adhesive | 5, 55 gallon | ASTM D 3019, Type III | Cold process roof flashing adhesive. |
| Garla-Brite | 5 gallon | ASTM D 2824, Type I | Aluminum roof coating. |
| WeatherScreen | 5, 55 gallon | ASTM D 4479, Type I | Asbestos-free, heavy-bodied, fiber-reinforced, fire-rated asphalt roof coating. |
| Energizer K Plus FR | 5, 55 gallon | ASTM D 4479, Type I | Multipurpose, rubberized, liquid waterproofing membrane. |
| Green-Lock Membrane Adhesive | 5 gallon | Proprietary | Cold process roof coating and adhesive. |
| Garla-Prime | 5, 55 gallon | ASTM D 41 | Non-fibered, quick drying asphalt roof primer |
| Garla-Prime WB | 5, 55 gallon | ASTM D 41 | Non-fibered, quick drying asphalt roof primer |
| Silver-Shield | 5, 55 gallon | ASTM D 2824, Type III | High solids, aluminized roof coating. |
| Insul-Lock HR | 1.5 liters | Proprietary | Polyurethane two component high rise insulation adhesive |
| Pyramic | 5, 55 gallon | Proprietary | White acrylic reflective roof coating |
| Solex | 5, 55 gallon | Proprietary | White kynar Reflective roof coating |



NOA No.: 16-0607.06
Expiration Date: 08/04/20
Approval Date: 07/28/16
Page 2 of 10

APPROVED INSULATIONS:

TABLE 2

| <u>Product Name</u> | <u>Product Description</u> | <u>Manufacturer (With Current NOA)</u> |
|----------------------------------|----------------------------------|--|
| ACFoam-II, ACFoam-III | Polyisocyanurate foam insulation | Atlas Roofing Corp. |
| DensDeck, DensDeck Prime | Water resistant gypsum board | Georgia Pacific Gypsum, LLC |
| H-Shield | Polyisocyanurate foam insulation | Hunter Panels, LLC |
| ENRGY 3, ENRGY 3 25 PSI | Polyisocyanurate foam insulation | Johns Manville |
| Multi-Max FA-3 | Polyisocyanurate foam insulation | Rmax Operating, LLC |
| SECUROCK Gypsum-Fiber Roof Board | Gypsum board | USG Corp. |
| ISO 95+ GL | Polyisocyanurate foam insulation | Firestone Building Products Company, LLC |

APPROVED FASTENERS:

TABLE 3

| <u>Fastener Number</u> | <u>Product Name</u> | <u>Product Description</u> | <u>Dimensions</u> | <u>Manufacturer (With Current NOA)</u> |
|------------------------|---------------------|----------------------------|-------------------|--|
| 1. | N/A | N/A | N/A | N/A |

EVIDENCE SUBMITTED:

| <u>Test Agency</u> | <u>Test Identifier</u> | <u>Description</u> | <u>Date</u> |
|---|------------------------|----------------------|-------------|
| Atlantic & Caribbean Roof Consulting, LLC | ACRC 08-025 | TAS 114-D | 04/22/08 |
| | ACRC 08-028 | TAS 114-D | 04/23/08 |
| Momentum Technologies, Inc. | EX22B7AR | ASTM D6163 | 08/30/07 |
| | EX22B7A | ASTM D6163 | 04/11/07 |
| | AX18C9A | ASTM D6163 | 07/30/09 |
| | AX18C9B | ASTM D6163 | 07/30/09 |
| RCMA Americas, Inc. | JX07H5B | ASTM D6163 | 08/23/15 |
| | JX28H5A | ASTM D6163 | 07/20/16 |
| Trinity ERD | C8500SC.11.07-R1 | TAS 117 / ASTM D6862 | 08/07/09 |
| | G31970.05.10-R1 | ASTM D4798 / TAS 110 | 09/23/13 |
| Factory Mutual Research Corp. | 3032021 | FM 4470 | 8/25/08 |
| UL LLC | R8384 | UL 790 | 03/05/12 |



APPROVED ASSEMBLIES

Membrane Type: SBS
Deck Type 3I: Concrete, Insulated
Deck Description: Min. 2,500 psi concrete or concrete plank
System Type A(1): All layers of insulation adhered with approved adhesive, membrane fully adhered

All General and System Limitations apply.

| <u>Base Insulation Layer</u> | <u>Insulation Fasteners (Table 3)</u> | <u>Fastener Density/ft²</u> |
|--|---|--|
| ACFoam II, ENRGY 3, H-Shield, Multi-Max FA-3 Minimum 1.5" thick | N/A | N/A |
| <u>Top Insulation Layer</u> | <u>Insulation Fasteners (Table 3)</u> | <u>Fastener Density/ft²</u> |
| SECUROCK Gypsum-Fiber Roof Board Minimum 1/4" thick | N/A | N/A |

Note: All layers of insulation adhered in Insul-Lock HR or Millennium One Step Foamable Insulation Adhesive applied in min 1/4"- 1/2" wide ribbons spaced 12" o.c. to the the deck. 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.

Primer: Prime SECUROCK Gypsum-Fiber Roof Board with Garland Garla-Prime 7612 primer at 1 gallon per square.

Base/Ply Sheet: One or more plies of HPR SA FR Base Sheet are self-adhered to top insulation layer.

Membrane: One ply of StressPly SA FR Mineral is self-adhered to the basesheet.

Surfacing: Optional for StressPly SA FR Mineral:

1. Minimum two coats of Garla-Brite applied at min. 0.5 gal/sq/coat, minimum two coats of Pyramic applied at min. 1.0 gal/sq/coat or minimum one coat of Pyramic applied at a min. 1.0 gal/sq and a minimum one coat of Solex applied at a min. 0.50 gal/sq.
2. Energizer K Plus FR applied at 3.5 gal/sq with minimum two coats of Garla-Brite applied at min 0.5 gal/sq/coat, minimum two coats of Pyramic applied at min. 1.0 gal/sq/coat or minimum one coat of Pyramic applied at a min. 1.0 gal/sq and a minimum one coat of Solex applied at a min. 0.50 gal/sq.
3. WeatherScreen applied at min. 4 gal./sq. with minimum two coats of Garla-Brite applied at min. 0.5 gal/sq/coat, minimum two coats of Pyramic applied at min. 1.0 gal/sq/coat or minimum one coat of Pyramic applied at a min. 1.0 gal/sq and a minimum one coat of Solex applied at a min. 0.50 gal/sq..
4. WeatherScreen applied at min. 4 gal./sq. with #11 roofing granules at 60 lb./sq.
5. WeatherScreen applied at applied at min. 4 gal./sq. with roofing gravel applied at 400 lb./sq.
6. Green-Lock Membrane Adhesive applied at min 3-5 gal./sq. with roofing gravel applied at 400 lb./sq.

Maximum Design Pressure: -60 psf. (See General Limitation #9)



NOA No.: 16-0607.06
Expiration Date: 08/04/20
Approval Date: 07/28/16
Page 4 of 10

Membrane Type: SBS
Deck Type 3I: Concrete, Insulated
Deck Description: Min. 2,500 psi concrete or concrete plank
System Type A(2): All layers of insulation adhered with approved adhesive, membrane fully adhered

All General and System Limitations apply.

| <u>Base Insulation Layer</u> | <u>Insulation Fasteners (Table 3)</u> | <u>Fastener Density/ft²</u> |
|--|---|--|
| ACFoam-II, ENRGY 3, H-Shield, ENRGY 3 25 PSI, ISO 95+ GL Minimum 1.5" thick | N/A | N/A |
| <u>Top Insulation Layer</u> | <u>Insulation Fasteners (Table 3)</u> | <u>Fastener Density/ft²</u> |
| Dens Deck Prime Minimum ½" thick | N/A | N/A |

Note: All layers of insulation adhered in Insul-Lock HR or Millennium One Step Foamable Insulation Adhesive applied in min ¾" wide ribbons spaced 8" o.c. to the vapor barrier. 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/Ply Sheet: One or more plies of HPR SA FR Base Sheet are self-adhered to top insulation layer.

Membrane: One ply of StressPly SA FR Mineral is self-adhered to the basesheet.

**Surfacing:
(Optional)** Apply as described below or any approved coatings:

1. Minimum two coats of Garla-Brite applied at min. 0.5 gal/sq/coat, minimum two coats of Pyramic applied at min. 1.0 gal/sq/coat or minimum one coat of Pyramic applied at a min. 1.0 gal/sq and a minimum one coat of Solex applied at a min. 0.50 gal/sq.
2. Energizer K Plus FR applied at 3.5 gal/sq with minimum two coats of Garla-Brite applied at min 0.5 gal/sq/coat, minimum two coats of Pyramic applied at min. 1.0 gal/sq/coat or minimum one coat of Pyramic applied at a min. 1.0 gal/sq and a minimum one coat of Solex applied at a min. 0.50 gal/sq.
3. WeatherScreen applied at min. 4 gal./sq. with minimum two coats of Garla-Brite applied at min. 0.5 gal/sq/coat, minimum two coats of Pyramic applied at min. 1.0 gal/sq/coat or minimum one coat of Pyramic applied at a min. 1.0 gal/sq and a minimum one coat of Solex applied at a min. 0.50 gal/sq..
4. WeatherScreen applied at min. 4 gal./sq. with #11 roofing granules at 60 lb./sq.
5. WeatherScreen applied at applied at min. 4 gal./sq. with roofing gravel applied at 400 lb./sq.
6. Green-Lock Membrane Adhesive applied at min 3-5 gal./sq. with roofing gravel applied at 400 lb./sq.

Maximum Design Pressure: -120 psf. (See General Limitation #9)



Membrane Type: SBS
Deck Type 3I: Concrete, Insulated
Deck Description: Min. 2,500 psi concrete or concrete plank
System Type A(3): All layers of insulation adhered with approved adhesive, membrane fully adhered

All General and System Limitations apply.

| <u>Base Insulation Layer</u> | <u>Insulation Fasteners (Table 3)</u> | <u>Fastener Density/ft²</u> |
|---|---|--|
| ACFoam-II, ENRGY 3, H-Shield, ENRGY 3 25 PSI, ISO 95+ GL Minimum 1.5" thick | N/A | N/A |
| <u>Top Insulation Layer</u> | <u>Insulation Fasteners (Table 3)</u> | <u>Fastener Density/ft²</u> |
| SECUROCK Gypsum-Fiber Roof Board, DensDeck, DensDeck Prime Minimum ½ " thick | N/A | N/A |

Note: All layers of insulation adhered in Insta Stik Quik Set Insulation Adhesive applied in min 3/4" wide ribbons spaced 12" o.c. to the the deck. 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.

Primer: Prime SECUROCK Gypsum-Fiber Roof Board with ASTM D-41 asphalt primer at .5 gallon per square.

Base/Ply Sheet: One or more plies of HPR SA FR Base Sheet are self-adhered to top insulation layer.

Membrane: One ply of StressPly SA FR Mineral is self-adhered to the basesheet.

**Surfacing:
(Optional)** Apply as described below or any approved coatings:

1. Minimum two coats of Garla-Brite applied at min. 0.5 gal/sq/coat, minimum two coats of Pyramic applied at min. 1.0 gal/sq/coat or minimum one coat of Pyramic applied at a min. 1.0 gal/sq and a minimum one coat of Solex applied at a min. 0.50 gal/sq.
2. Energizer K Plus FR applied at 3.5 gal/sq with minimum two coats of Garla-Brite applied at min 0.5 gal/sq/coat, minimum two coats of Pyramic applied at min. 1.0 gal/sq/coat or minimum one coat of Pyramic applied at a min. 1.0 gal/sq and a minimum one coat of Solex applied at a min. 0.50 gal/sq.
3. WeatherScreen applied at min. 4 gal./sq. with minimum two coats of Garla-Brite applied at min. 0.5 gal/sq/coat, minimum two coats of Pyramic applied at min. 1.0 gal/sq/coat or minimum one coat of Pyramic applied at a min. 1.0 gal/sq and a minimum one coat of Solex applied at a min. 0.50 gal/sq..
4. WeatherScreen applied at min. 4 gal./sq. with #11 roofing granules at 60 lb./sq.
5. WeatherScreen applied at applied at min. 4 gal./sq. with roofing gravel applied at 400 lb./sq.
6. Green-Lock Membrane Adhesive applied at min 3-5 gal./sq. with roofing gravel applied at 400 lb./sq.

Maximum Design Pressure: -150 psf. (See General Limitation #9)



Membrane Type: SBS
Deck Type 3I: Concrete, Insulated
Deck Description: Min. 2,500 psi concrete or concrete plank
System Type A(4): All layers of insulation adhered with approved adhesive, membrane fully adhered

All General and System Limitations apply.

Note: Concrete deck shall be primed with with Garland Garla-Prime 7612 primer and allowed to dry prior to application of vapor barrier.

Vapor Retarders: One ply of HPR Torch Base Sheet, torch applied onto the primed deck.

| <u>Base Insulation Layer</u> | <u>Insulation Fasteners (Table 3)</u> | <u>Fastener Density/ft²</u> |
|--|---|--|
| ACFoam II, ENRGY 3, H-Shield, Multi-Max FA-3 Minimum 1.5” thick | N/A | N/A |

Note: Base insulation layer shall be adhered in Insul-Lock HR or Millennium One Step Foamable Insulation Adhesive applied in min 1/4”- 1/2” wide ribbons spaced 9” o.c. to the vapor barrier. 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.

| <u>Top Insulation Layer</u> | <u>Insulation Fasteners (Table 3)</u> | <u>Fastener Density/ft²</u> |
|--|---|--|
| SECUROCK Gypsum-Fiber Roof Board Minimum 1/4” thick | N/A | N/A |

Note: Top insulation layer shall be be adhered with Insul-Lock HR or Millennium One Step Foamable Insulation Adhesive applied in continuous 1/4” to 1/2” wide beads, 12” o.c. 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.

Primer: Prime SECUROCK Gypsum-Fiber Roof Board with Garland Garla-Prime 7612 primer at 1 gallon per square.

Base/Ply Sheet: One or more plies of HPR SA FR Base Sheet are self-adhered to top insulation layer.

Membrane: One ply of StressPly SA FR Mineral is self-adhered to the basesheet.

**Surfacing:
(Optional)** Apply as described below or any approved coatings:

1. Minimum two coats of Garla-Brite applied at min. 0.5 gal/sq/coat, minimum two coats of Pyramic applied at min. 1.0 gal/sq/coat or minimum one coat of Pyramic applied at a min. 1.0 gal/sq and a minimum one coat of Solex applied at a min. 0.50 gal/sq.
2. Energizer K Plus FR applied at 3.5 gal/sq with minimum two coats of Garla-Brite applied at min 0.5 gal/sq/coat, minimum two coats of Pyramic applied at min. 1.0 gal/sq/coat or minimum one coat of Pyramic applied at a min. 1.0 gal/sq and a minimum one coat of Solex applied at a min. 0.50 gal/sq.
3. WeatherScreen applied at min. 4 gal./sq. with minimum two coats of Garla-Brite applied at min. 0.5 gal/sq/coat, minimum two coats of Pyramic applied at min. 1.0 gal/sq/coat or minimum one coat of Pyramic applied at a min. 1.0 gal/sq and a minimum one coat of Solex applied at a min. 0.50 gal/sq..



**Surfacing: (Optional)
(Continued)**

4. WeatherScreen applied at min. 4 gal./sq. with #11 roofing granules at 60 lb./sq.
5. WeatherScreen applied at applied at min. 4 gal./sq. with roofing gravel applied at 400 lb./sq.
6. Green-Lock Membrane Adhesive applied at min 3-5 gal./sq. with roofing gravel applied at 400 lb./sq.

**Maximum Design
Pressure:**

-172.5 psf. (See General Limitation #9)



Membrane Type: SBS
Deck Type 3I: Concrete, Insulated
Deck Description: Min. 2,500 psi concrete or concrete plank
System Type A(5): All layers of insulation adhered with approved adhesive, membrane fully adhered

All General and System Limitations apply.

| <u>Base Insulation Layer</u> | <u>Insulation Fasteners (Table 3)</u> | <u>Fastener Density/ft²</u> |
|---|---|--|
| ACFoam-II, ENRGY 3, H-Shield, ENRGY 3 25 PSI, ISO 95+ GL Minimum 1.5” thick | N/A | N/A |
| <u>Top Insulation Layer</u> | <u>Insulation Fasteners (Table 3)</u> | <u>Fastener Density/ft²</u> |
| SECUROCK Gypsum-Fiber Roof Board, DensDeck, DensDeck Prime Minimum ½ ” thick | N/A | N/A |

Note: All layers of insulation adhered in Insul-Lock HR or Millennium One Step Foamable Insulation Adhesive applied in min ¾ ” wide ribbons spaced 8” o.c. to the vapor barrier. 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.

Primer: Prime SECUROCK Gypsum-Fiber Roof Board with ASTM D-41 asphalt primer at .5 gallon per square.

Base/Ply Sheet: One or more plies of HPR SA FR Base Sheet are self-adhered to top insulation layer.

Membrane: One ply of StressPly SA FR Mineral is self-adhered to the basesheet.

**Surfacing:
(Optional)** Apply as described below or any approved coatings:

1. Minimum two coats of Garla-Brite applied at min. 0.5 gal/sq/coat, minimum two coats of Pyramic applied at min. 1.0 gal/sq/coat or minimum one coat of Pyramic applied at a min. 1.0 gal/sq and a minimum one coat of Solex applied at a min. 0.50 gal/sq.
2. Energizer K Plus FR applied at 3.5 gal/sq with minimum two coats of Garla-Brite applied at min 0.5 gal/sq/coat, minimum two coats of Pyramic applied at min. 1.0 gal/sq/coat or minimum one coat of Pyramic applied at a min. 1.0 gal/sq and a minimum one coat of Solex applied at a min. 0.50 gal/sq.
3. WeatherScreen applied at min. 4 gal./sq. with minimum two coats of Garla-Brite applied at min. 0.5 gal/sq/coat, minimum two coats of Pyramic applied at min. 1.0 gal/sq/coat or minimum one coat of Pyramic applied at a min. 1.0 gal/sq and a minimum one coat of Solex applied at a min. 0.50 gal/sq..
4. WeatherScreen applied at min. 4 gal./sq. with #11 roofing granules at 60 lb./sq.
5. WeatherScreen applied at applied at min. 4 gal./sq. with roofing gravel applied at 400 lb./sq.
6. Green-Lock Membrane Adhesive applied at min 3-5 gal./sq. with roofing gravel applied at 400 lb./sq.

Maximum Design Pressure: -202.5 psf. (See General Limitation #9)



CONCRETE 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.

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.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE