



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  
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[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

The Garland Company, Inc.  
3800 East 91<sup>st</sup> 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 Modified Bitumen Roofing Systems over Wood 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 revises NOA# 25-0709.10 and consists of pages 1 through 18.  
The submitted documentation was reviewed by Alex Tigera.

07/16/26



NOA No.: 26-0421.03  
Expiration Date: 12/03/28  
Approval Date: 07/16/26  
Page 1 of 18

## ROOFING SYSTEM APPROVAL

|                                        |                  |
|----------------------------------------|------------------|
| <b><u>Category:</u></b>                | Roofing          |
| <b><u>Sub-Category:</u></b>            | Modified Bitumen |
| <b><u>Material:</u></b>                | SBS/SIS/SEBS     |
| <b><u>Deck Type:</u></b>               | Wood             |
| <b><u>Maximum Design Pressure:</u></b> | -150 psf.        |

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

TABLE 1

| <b><u>Product</u></b>             | <b><u>Dimensions</u></b> | <b><u>Test Specification</u></b> | <b><u>Product Description</u></b>                                                                                                                         |
|-----------------------------------|--------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Black-Knight Cold                 | 5, 55 gallon             | Proprietary                      | Polymer modified coal tar pitch.                                                                                                                          |
| Flashing Bond                     | 5 gallon                 | ASTM D4586                       | Trowel grade, asphalt based roofing mastic for use in repair and patching against leaks in built-up asphalt roofs.                                        |
| FlexBase 80                       | 39" x 34'8"              | ASTM D6163, Type III             | SBS modified, fiberglass reinforced base sheet.                                                                                                           |
| FlexBase Plus 80                  | 39" x 34'8"              | ASTM D6162, Type III             | SBS modified, fiberglass/polyester reinforced base sheet                                                                                                  |
| Garla-Brite                       | 5, 55 gallon             | ASTM D4479, Type I               | Asbestos-free, heavy-bodied, fiber-reinforced, fire-rated asphalt roof coating.                                                                           |
| Garla-Flex                        | 2, 5 gallon pail         | ASTM D4586                       | Elastomeric, asphaltic compound formulated from a special weather and ozone-resistant thermoplastic rubber, plasticizing oils and bitumen. Asbestos free. |
| Garla-Prime VOC                   | 5, 55 gallon             | ASTM D41                         | Non-fibered, quick drying asphalt roof primer                                                                                                             |
| Garlastic KM Plus                 | 60 lb. keg               | TAS 121                          | SEBS modified, hot applied asphalt.                                                                                                                       |
| Green-Lock Plus Membrane Adhesive | 5 gallon                 | Proprietary                      | Cold process roof coating and adhesive                                                                                                                    |
| HPR All Temp Asphalt              | 100 lb. keg              | TAS 121                          | Hot asphalt adhesive for modified bitumen and BUR roof systems.                                                                                           |
| HPR Glasbase                      | 36" x 108' 75 lbs.       | ASTM D4601 Type II               | Type II, asphalt coated fiberglass base sheet                                                                                                             |
| HPR Glasfelt                      | 36" x 180'               | ASTM D2178, Type IV              | Asphalt impregnated glass felt                                                                                                                            |
| HPR Polyscrim Plus                | 40" x 324'               | ASTM D5726                       | Polyester felt                                                                                                                                            |



# 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 Premium Glasbase        | 36" x 72'         | ASTM D4601, Type II                               | Asphalt coated fiberglass base sheet.                                                                                          |
| HPR Tri-Base Premium        | 36" x 72'         | ASTM D4601                                        | Double asphalt coated, polyester/fiberglass/polyester scrim reinforced base sheet.                                             |
| Insul-Lock HR               | 1.5 liters        | Proprietary                                       | Polyurethane two component high rise insulation adhesive                                                                       |
| OptiMax                     | 39" x 34'2"       | ASTM D4601, Type II ASTM D6163, Type III, Grade S | SBS-modified bitumen cap ply with fiberglass reinforcement, surfaced with mineral granules.                                    |
| OptiMax FR Mineral          | 39" x 26'2"       | ASTM D6163, Type III                              | Mineral surfaced, SBS modified, fiberglass reinforced, cap sheet.                                                              |
| Silver-Flash                | 5 gallon          | ASTM D4586                                        | Trowel grade, asphalt based roofing mastic for use in repair and patching against leaks in built-up asphalt roofs.             |
| StressBase 80               | 39" x 52'         | ASTM D6163, Type I                                | SBS modified, fiberglass reinforced base sheet.                                                                                |
| StressPly                   | 39" x 34'8"       | ASTM D6163, Type III, Grade S                     | SBS-modified bitumen cap ply with fiberglass reinforcement, surfaced with mineral granules                                     |
| StressPly EUV               | 39" x 34'8"       | ASTM D6162, Type III, Grade S & TAS 110           | SBS-modified bitumen cap ply with fiberglass and polyester reinforcements.                                                     |
| StressPly EUV FR Mineral    | 39" x 26'2"       | ASTM D6162, Type III                              | Mineral surfaced, SBS/SIS modified, fiberglass/polyester reinforced membrane.                                                  |
| StressPly FR Mineral        | 39" x 26'2"       | ASTM D6163, Type III                              | Mineral surfaced, SBS modified, fire retardant, fiberglass scrim membrane.                                                     |
| StressPly Legacy            | 39" x 34'8"       | ASTM D6162, Type III, Grade S & TAS 110           | SBS-modified bitumen cap ply with polyester and fiberglass reinforcement                                                       |
| StressPly Legacy FR Mineral | 39" x 26'2"       | ASTM D6162, Type III                              | SBS modified bitumen cap ply with fiberglass and polyester reinforcement, with fire retardant, surfaced with mineral granules. |



**TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:****TABLE 1**

| <b><u>Product</u></b>         | <b><u>Dimensions</u></b> | <b><u>Test Specification</u></b>        | <b><u>Product Description</u></b>                                                                  |
|-------------------------------|--------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------|
| StressPly Max                 | 39" x 34'8"              | ASTM D6162, Type III, Grade S & TAS 110 | SBS-modified bitumen cap ply with fiberglass and polyester reinforcement, with fire retardant.     |
| StressPly Max FR Mineral      | 39" x 26'2"              | ASTM D6162, Type III                    | Mineral surfaced, SBS modified, fiberglass/polyester reinforced, torch applied cap sheet.          |
| StressPly Plus                | 39" x 34'8"              | ASTM D6162, Type III                    | Smooth surfaced, SBS modified, fiberglass/polyester scrim membrane.                                |
| StressPly Plus FR Mineral     | 39" x 26'2"              | ASTM D6162, Type III                    | Mineral surfaced, SBS modified, fire retardant, UV resistant, fiberglass/polyester scrim membrane. |
| VersiPly 80                   | 39" x 34'8"              | ASTM D6163, Type III                    | Smooth surfaced, SBS modified, fiberglass scrim reinforced roofing membrane.                       |
| VersiPly Mineral              | 39" x 26'2"              | ASTM D6163, Type III                    | Mineral surfaced, SBS modified, fiberglass scrim reinforced roofing membrane.                      |
| Weatherking                   | 5, 55 gallon             | ASTM D3019, Type III                    | Cold process roof coating and adhesive.                                                            |
| Weatherking Flashing Adhesive | 5, 55 gallon             | ASTM D3019, Type III                    | Cold process roof flashing adhesive.                                                               |
| Weatherking Plus WC           | 5, 55 gallon             | ASTM D3019, Type III                    | Cold process roof coating and adhesive.                                                            |
| WeatherScreen                 | 5, 55 gallon             | ASTM D4479, Type I                      | Asbestos-free, heavy-bodied, fiber-reinforced, fire-rated asphalt roof coating.                    |



**APPROVED INSULATIONS:****TABLE 2**

| <b><u>Product Name</u></b>                         | <b><u>Product Description</u></b>        | <b><u>Manufacturer<br/>(With Current NOA)</u></b>                 |
|----------------------------------------------------|------------------------------------------|-------------------------------------------------------------------|
| ACFoam-II, ACFoam-III                              | Polyisocyanurate foam insulation         | Atlas Roofing Corporation                                         |
| ISO 95+ GL                                         | Polyisocyanurate foam insulation         | Holcim Solutions and Products US, LLC.                            |
| 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, Corp.                                             |
| Fesco Board                                        | Expanded perlite and fiber insulation    | Johns Manville, Corp.                                             |
| Retro-Fit Board                                    | Expanded perlite and fiber insulation    | Johns Manville, Corp.                                             |
| Multi-Max FA-3                                     | Polyisocyanurate foam insulation         | RMax Operating, LLC                                               |
| Structodek High Density Fiberboard Roof Insulation | High Density wood fiber insulation board | Blue Ridge Fiberboard, Inc.                                       |
| SECUROCK Gypsum-Fiber Roof Board                   | Gypsum board                             | United States Gypsum Corp.                                        |
| DEXcell FA Glass Mat Roof Board                    | Gypsum board                             | National Gypsum Company a dba of National Gypsum Services Company |

**APPROVED FASTENERS/ADHESIVES:****TABLE 3**

| <b><u>Fastener Number</u></b> | <b><u>Product Name</u></b>        | <b><u>Product Description</u></b>                      | <b><u>Dimensions</u></b> | <b><u>Manufacturer<br/>(With Current NOA)</u></b> |
|-------------------------------|-----------------------------------|--------------------------------------------------------|--------------------------|---------------------------------------------------|
| 1.                            | Dekfast 12                        | Insulation fastener for wood, steel and concrete decks | Various                  | SFS Intec, Inc.                                   |
| 2.                            | Dekfast 14                        | Insulation fastener for wood, steel and concrete decks | Various                  | SFS Intec, Inc.                                   |
| 3.                            | Dekfast 15 HS                     | Insulation fastener for wood, steel and concrete decks | Various                  | SFS Intec, Inc.                                   |
| 4.                            | Dekfast Galvalume Steel Hex Plate | Galvalume hex stress plate.                            | 2 7/8" x 3 1/4"          | SFS Intec, Inc.                                   |



**APPROVED FASTENERS/ADHESIVES:****TABLE 3**

| <b><u>Fastener<br/>Number</u></b> | <b><u>Product<br/>Name</u></b>                       | <b><u>Product<br/>Description</u></b>             | <b><u>Dimensions</u></b> | <b><u>Manufacturer<br/>(With Current NOA)</u></b> |
|-----------------------------------|------------------------------------------------------|---------------------------------------------------|--------------------------|---------------------------------------------------|
| 5.                                | #12 Standard Roofgrip                                | Insulation fastener for wood and steel.           | Various                  | OMG, Inc.                                         |
| 6.                                | AccuTrac Plate                                       | Galvalume stress plate.                           | 3" square                | OMG, Inc.                                         |
| 7.                                | #14 Roofgrip                                         | Insulation fastener                               |                          | OMG, Inc.                                         |
| 8.                                | OMG ASAP<br>Pre-Assembled System                     | Pre-assembled Insulation fastener and plate       |                          | OMG, Inc.                                         |
| 9.                                | OMG Plastic Plate                                    | Polypropylene plastic plate                       | 3.25" round              | OMG, Inc.                                         |
| 10.                               | 3" Round Metal Plate                                 | 3" round galvalume AZ50 steel plate               | 3" round                 | OMG, Inc.                                         |
| 11.                               | Trufast #14 HD Fastener                              | Insulation fastener for steel and wood decks      |                          | Altenloh, Brinck & Co.<br>U.S., Inc.              |
| 12.                               | Trufast 3" Metal Insulation Plates                   | 3" round galvalume AZ50 steel plate               | 3" round                 | Altenloh, Brinck & Co.<br>U.S., Inc.              |
| 13.                               | AccuTrac Hextra                                      | Insulation fastener for steel and wood decks      | Various                  | OMG, Inc.                                         |
| 14.                               | AccuTrac Flat Bottom Plate                           | A2-SS aluminized steel plate                      | 3" square                | OMG, Inc.                                         |
| 15.                               | #15 Roofgrip                                         | Insulation fastener for wood, steel and concrete. | Various                  | OMG, Inc.                                         |
| 16.                               | Dekfast Galvalume Steel 3 in. Round Insulation Plate | 3" round galvalume AZ50 steel plate               | 3" round                 | SFS Intec, Inc.                                   |
| 17.                               | Flat Bottom Metal Plate                              | A2-SS aluminized steel plate                      | 3" square                | OMG, Inc.                                         |
| 18.                               | OMG Heavy Duty                                       | Insulation and membrane fastener                  | Various                  | OMG, Inc.                                         |
| 19.                               | Trufast #15 EHD                                      | Insulation fastener for steel and wood decks      |                          | Altenloh, Brinck & Co.<br>U.S., Inc.              |



## EVIDENCE SUBMITTED

| <u>Test Agency</u>                      | <u>Test Identifier</u> | <u>Description</u>  | <u>Date</u> |
|-----------------------------------------|------------------------|---------------------|-------------|
| NEMO ETC, LLC.                          | 4i-GRL-23-SSCRT-01.A   | FM 4470             | 05/22/23    |
|                                         | 4i-GRL-SSCRT-001.A     | ASTM D1876          | 04/04/25    |
|                                         | 4a-GRL-LSWUS-003.A     | FM 4474 & TAS 114   | 05/29/25    |
|                                         | 4a-GRL-LSWUS-004.A     | FM 4474 & TAS 114   | 10/24/25    |
| Factory Mutual Research Corporation     | IVOA7.AM               | FM 4470             | 02/21/95    |
|                                         | 0Y5A6.AM               | FM 4470             | 09/08/97    |
|                                         | 1B4A7.AM               | FM 4470             | 12/15/97    |
|                                         | 3000637                | FM 4470             | 04/26/00    |
|                                         | 0D9A0.AM               | FM 4470             | 05/02/00    |
|                                         | 3004907                | FM 4470             | 05/16/00    |
|                                         | 3009117                | FM 4470             | 12/21/00    |
|                                         | 3010113                | FM 4470             | 11/18/02    |
|                                         | 3014751                | FM 4470             | 08/27/03    |
|                                         | 3019046                | FM 4470             | 03/04/05    |
|                                         | 3021718                | FM 4470             | 04/11/05    |
|                                         | 3032647                | FM 4470             | 07/28/08    |
|                                         | PR454771               | FM 4470             | 01/29/21    |
| Momentum Technologies, Inc.             | TX21G5A                | ASTM D5147          | 04/25/06    |
|                                         | DX14C7A                | ASTM D6163          | 03/16/07    |
|                                         | EX11L5A                | ASTM D5147          | 03/19/07    |
|                                         | EX22B7A                | ASTM D6162          | 04/11/07    |
|                                         | RX18C8A-R              | ASTM D6162/D6163    | 03/28/08    |
| PRI Construction Materials Technologies | GRD-051-02-01          | ASTM D2178          | 10/28/11    |
|                                         | GRD-052-02-01          | ASTM D2178          | 10/28/11    |
|                                         | GRD-054-02-01          | ASTM D2626          | 11/17/11    |
| Trinity   ERD                           | 4544.11.06             | TAS 114             | 11/02/06    |
|                                         | C8500SC.11.07-R1       | TAS 117/ASTM D6862  | 08/07/09    |
|                                         | G32950.06.10           | ASTM D4601          | 06/11/10    |
|                                         | 4533.05.98-1-R1        | TAS 114(J)          | 09/09/11    |
|                                         | G32700.09.11-1         | ASTM D4601          | 09/16/11    |
|                                         | G39620.07.12           | ASTM D4990          | 07/02/12    |
|                                         | G39630.07.12           | Physical Properties | 07/12/12    |
|                                         | G37200.10.12-1-R1      | ASTM D6163/D4798    | 12/05/12    |
|                                         | G37200.10.12-4-R1      | ASTM D6162          | 12/05/12    |
|                                         | G37200.10.12-7-R1      | ASTM D6162          | 12/05/12    |
|                                         | G37200.10.12-9-R1      | ASTM D6162/D4798    | 12/05/12    |
|                                         | G37200.10.12-10-R1     | ASTM D6163/D4798    | 12/05/12    |
|                                         | G37200.10.12-5-R2      | ASTM D6162          | 09/23/13    |
|                                         | G37200.10.12-6-R2      | ASTM D6162/D4798    | 09/23/13    |
|                                         | G37200.10.12-2-R2      | ASTM D6162/D4798    | 09/24/13    |
|                                         | G37200.10.12-3-R2      | ASTM D6162/D4798    | 09/24/13    |
|                                         | G37200.10.12-11-R2     | ASTM D6163/D4798    | 09/24/13    |



## EVIDENCE SUBMITTED

### Test Agency

### Test Identifier

### Description

### Date

|                    |                  |          |
|--------------------|------------------|----------|
| G37200.10.12-12-R2 | ASTM D6163/D4798 | 09/24/13 |
| G37200.09.13-10    | ASTM D6163/D4798 | 09/24/13 |
| G37200.09.13-1     | ASTM D6163/D4798 | 09/24/13 |
| G37200.08.12-13-R2 | ASTM D6162/D4798 | 09/26/13 |



## APPROVED ASSEMBLIES:

|                          |                                                                                                                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Membrane Type:</b>    | SBS/SIS/SEBS                                                                                                                                                                                                                          |
| <b>Deck Type II:</b>     | Wood, Insulated                                                                                                                                                                                                                       |
| <b>Deck Description:</b> | <sup>19</sup> / <sub>32</sub> " APA rated, 40/20 span rating, CDX, 4-ply or greater plywood attached to min. 2" x 4" supports spaced max. 24" with wood screws spaced 6" o.c. at intermediate supports and panel edges or wood plank. |
| <b>System Type A(1):</b> | Anchor sheet mechanically fastened; all layers of insulation adhered with approved asphalt                                                                                                                                            |

### All General and System Limitations apply.

|                      |                                                                                                                                                                                                                                                                                                                                    |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Anchor Sheet:</b> | One ply of HPR Glasbase, HPR Premium Glasbase or HPR Tri-Base Premium base sheet fastened to the deck as described below:                                                                                                                                                                                                          |
| <b>Fastening:</b>    | Attach anchor sheet using SFS Dekfast 12 fasteners with SFS Dekfast Galvalume Steel Hex plates, OMG #12 Standard Roofgrip or OMG Heavy Duty Fasteners with OMG 3" Round Metal Plates or OMG Accutrak Hextra fasteners and Accutrak Plates spaced 9" o.c. in a 4" lap and 9" o.c. in two staggered rows in the center of the sheet. |

One or more layers of any of the following insulations.

| <b><u>Base Insulation Layer</u></b>                                                                                   | <b><u>Insulation Fasteners<br/>(Table 3)</u></b> | <b><u>Fastener<br/>Density/ft<sup>2</sup></u></b> |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------|
| ACFoam-II, ENRGY 3, H-Shield, Multi-Max FA-3<br>Minimum 1.5" thick                                                    | N/A                                              | N/A                                               |
| <b><u>Top Insulation Layer</u></b>                                                                                    | <b><u>Insulation Fasteners<br/>(Table 3)</u></b> | <b><u>Fastener<br/>Density/ft<sup>2</sup></u></b> |
| Structodek High Density Fiberboard Roof Insulation, Fesco Board, Retro-Fit Board<br>Minimum ½" thick                  | N/A                                              | N/A                                               |
| DensDeck, DensDeck Prime (only use with Base/Ply adhered with Weatherking or Weatherking Plus WC)<br>Minimum ¼" thick | N/A                                              | N/A                                               |

**Note:** All insulation shall be adhered to the anchor sheet in full mopping of approved hot asphalt, HPR All Temp Asphalt or Garlastic KM Plus within the EVT range and at a rate of 25 lbs./sq. 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.

|                        |                                                                                                                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Base/Ply Sheet:</b> | Two or more plies of, HPR Glasfelt, or HPR Polyscrim Plus adhered with a full mopping of approved asphalt, HPR All Temp Asphalt or Garlastic KM Plus within the EVT range and at a rate of 25 lbs./sq. |
|                        | Or                                                                                                                                                                                                     |
|                        | One or more plies of HPR Glasbase, HPR Premium Glasbase or HPR Tri-Base Premium adhered with Weatherking or Weatherking Plus WC applied at 2-2.5 gal./sq.                                              |



|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Membrane:</b>                | One ply of StressPly FR Mineral, StressPly Plus, StressPly Plus FR Mineral, StressPly EUV FR Mineral or VersiPly Mineral adhered with a full mopping of approved asphalt, HPR All Temp Asphalt or Garlastic KM Plus within the EVT range and at a rate of 25 lbs./sq. or with Weatherking or Weatherking Plus WC applied at 2-2.5 gal./sq.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Surfacing:</b>               | <p>Optional for mineral surfaced Membranes. Required for smooth surfaced membranes. Apply one of the below:</p> <ol style="list-style-type: none"> <li>1. Black Knight Cold applied at 4-5 gal./sq.. Broadcast 400 lbs./sq. (181 kg/9.29m<sup>2</sup>) of clean roof gravel immediately into the wet adhesive.</li> <li>2. WeatherScreen applied at 4-5 gal./sq. Broadcast 400 lbs./sq. (181 kg/9.29m<sup>2</sup>) of clean roof gravel immediately into the wet adhesive.</li> <li>3. Two coats of Garla-Brite applied at 0.5 gal./sq./coat.</li> <li>4. Green-Lock Plus Membrane Adhesive applied at 4-5 gal./sq. Broadcast 400 lbs./sq. of clean roof gravel immediately into the wet adhesive.</li> <li>5. One coat of Pyramic, Pyramic Plus LO, Pyramic LO Base Coat or Pyramic Base applied at 1 gal/sq followed by one coat of Pyramic applied at 1 gal/sq.</li> <li>6. One coat of Pyramic Plus LO Base Coat applied at 1 gal./sq. followed by one coat of Pyramic Plus LO applied at 1 gal./sq.</li> <li>7. StrataMax Gray applied in two coats at 1 gal/sq./coat.</li> <li>8. StrataMax White applied in two coats at 1 gal/sq./coat.</li> </ol> |
| <b>Maximum Design Pressure:</b> | -60 psf. (for insulations and membranes in hot asphalt) (See General Limitation #7.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |



**Membrane Type:** SBS/SIS/SEBS

**Deck Type 1I:** Wood, Insulated

**Deck Description:** <sup>19</sup>/<sub>32</sub>" APA rated, 40/20 span rating, CDX, 4-ply or greater plywood or wood plank secured to supports spaced 24" with #8 screws spaced 6" o.c. in every support.

**System Type A(2):** Anchor sheet mechanically fastened; all layers of insulation adhered with approved adhesive.

**All General and System Limitations apply.**

**Anchor Sheet:** One ply of HPR Glasbase, HPR Premium Glasbase or HPR Tri-Base Premium fastened to the deck as described below:

**Fastening:** Attach anchor sheet using Trufast 3" Metal Insulation plates with Trufast #14 HD Fasteners, OMG 3" Round Metal Plates with OMG Heavy Duty fasteners, OMG Flat Bottom Metal Plates with #14 Roofgrip fasteners or SFS Dekfast Galvalume Steel Hex plates with Dekfast 14 fasteners spaced 6" o.c. within 4" wide lap and 6" o.c. within three equally spaced staggered rows in the field.

| <b><u>Base Insulation Layer:</u></b>                               | <b><u>Insulation Fasteners<br/>(Table 3)</u></b> | <b><u>Fastener<br/>Density/ft<sup>2</sup></u></b> |
|--------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------|
| ACFoam-II, ENRGY 3, H-Shield, Multi-Max FA-3<br>Minimum 1.5" thick | N/A                                              | N/A                                               |
| <b><u>Top Insulation Layer:</u></b>                                | <b><u>Insulation Fasteners<br/>(Table 3)</u></b> | <b><u>Fastener<br/>Density/ft<sup>2</sup></u></b> |
| DensDeck Prime<br>Minimum ¼" thick                                 | N/A                                              | N/A                                               |

**Note:** All insulation shall be adhered to the anchor sheet in Insul-Lock HR applied in ¾"- 1" wide ribbons atop the anchor sheet fastener rows (approximately 8.8" o.c.). 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/Ply Sheet:** Two or more plies of HPR Glasfelt adhered with a full mopping of approved asphalt, HPR All Temp Asphalt or Garlastic KM Plus within the EVT range and at a rate of 25 lbs./sq.

**Membrane:** One ply of StressPly FR Mineral, StressPly Plus, StressPly Plus FR Mineral, StressPly EUV FR Mineral or VersiPly Mineral adhered with a full mopping of approved asphalt, HPR All Temp Asphalt or Garlastic KM Plus within the EVT range and at a rate of 25 lbs./sq.



**Surfacing:**

Optional for mineral surfaced Membranes. Required for smooth surfaced membranes.

Apply one of the below:

1. Black Knight Cold applied at 4-5 gal./sq.. Broadcast 400 lbs./sq. (181 kg/9.29m<sup>2</sup>) of clean roof gravel immediately into the wet adhesive.
2. WeatherScreen applied at 4-5 gal./sq. Broadcast 400 lbs./sq. (181 kg/9.29m<sup>2</sup>) of clean roof gravel immediately into the wet adhesive.
3. Two coats of Garla-Brite applied at 0.5 gal./sq./coat.
4. Green-Lock Plus Membrane Adhesive applied at 4-5 gal./sq. Broadcast 400 lbs./sq. of clean roof gravel immediately into the wet adhesive.
5. One coat of Pyramic, Pyramic Plus LO, Pyramic LO Base Coat or Pyramic Base applied at 1 gal/sq followed by one coat of Pyramic applied at 1 gal/sq.
6. One coat of Pyramic Plus LO Base Coat applied at 1 gal./sq. followed by one coat of Pyramic Plus LO applied at 1 gal./sq.
7. StrataMax Gray applied in two coats at 1 gal/sq./coat.
8. StrataMax White applied in two coats at 1 gal/sq./coat.

**Maximum Design  
Pressure:**

-52.5 psf. (See General Limitation #7.)



**Membrane Type:** SBS/SIS/SEBS  
**Deck Type II:** Wood, Insulated  
**Deck Description:** <sup>19</sup>/<sub>32</sub>" APA rated, 40/20 span rating, CDX, 4-ply or greater plywood or wood plank secured to supports spaced 24" o.c. with #8 ring shank nails spaced 4" o.c.  
**System Type C(1):** All layers of insulation simultaneously attached.

**All General and System Limitations apply.**

One or more layers of any of the following insulations.

| <b><u>Base Insulation Layer (Optional):</u></b>                                                               | <b><u>Insulation Fasteners<br/>(Table 3)</u></b> | <b><u>Fastener<br/>Density/ft<sup>2</sup></u></b> |
|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------|
| <b>ACFoam-II, ENRGY 3, H-Shield<br/>Minimum ½" thick</b>                                                      | N/A                                              | N/A                                               |
| <b><u>Top Insulation Layer:</u></b>                                                                           | <b><u>Insulation Fasteners<br/>(Table 3)</u></b> | <b><u>Fastener<br/>Density/ft<sup>2</sup></u></b> |
| <b>DEXcell FA Glass Mat Roof Board, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board<br/>Minimum ½" thick</b> | 12, 19                                           | 1:1 ft <sup>2</sup>                               |

**Note:** Top Insulation layer shall be mechanically attached using the fastener density listed above. The insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Insulation fasteners shall be tested for withdrawal resistance in compliance with Testing Application Standard TAS 105 to confirm compliance with the wind load requirements. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

**Base/Ply Sheet:** One or more plies of FlexBase Plus 80, StressBase 80 adhered with Green-Lock Plus Membrane Adhesive applied at a rate of 2-2.5 gal/sq.  
 \*StressBase 80 not used with DEXcell FA Glass Mat Roof Board and DensDeck Prime.

**Membrane:** One ply of StressPly Max FR Mineral, OptiMax FR Mineral, StressPly Max FR Mineral, StressPly Max, or VersiPly Mineral adhered with Green-Lock Plus Membrane Adhesive applied at a rate of 2-2.5 gal/sq.  
 Or  
 One ply of StressPly Max FR Mineral, OptiMax, StressPly, StressPly EUV, StressPly EUV FR Mineral, StressPly FR Mineral, StressPly Legacy, StressPly Legacy FR Mineral, StressPly Max, StressPly Plus, StressPly Plus FR Mineral, VersiPly 80, VersiPly Mineral adhered with WeatherKing adhesive applied at a rate of 2-2.5 gal./sq.  
 Or  
 One ply of StressPly Legacy adhered with Garlastic KM Plus applied at a rate of 25 lbs./sq.  
 Or  
 StressPly EUV FR Mineral, StressPly EUV Mineral, StressPly FR Mineral, StressPly Plus, StressPly Plus FR Mineral, VersiPly 80, VersiPly Mineral adhered hot asphalt at a rate of 25 lbs/sq.



**Surfacing:**

Optional for mineral surfaced Membranes. Required for smooth surfaced membranes.

Apply one of the below:

1. Black Knight Cold applied at 4-5 gal./sq.. Broadcast 400 lbs./sq. (181 kg/9.29m<sup>2</sup>) of clean roof gravel immediately into the wet adhesive.
2. WeatherScreen applied at 4-5 gal./sq. Broadcast 400 lbs./sq. (181 kg/9.29m<sup>2</sup>) of clean roof gravel immediately into the wet adhesive.
3. Two coats of Garla-Brite applied at 0.5 gal./sq./coat.
4. Green-Lock Plus Membrane Adhesive applied at 4-5 gal./sq. Broadcast 400 lbs./sq. of clean roof gravel immediately into the wet adhesive.
5. One coat of Pyramic, Pyramic Plus LO, Pyramic LO Base Coat or Pyramic Base applied at 1 gal/sq followed by one coat of Pyramic applied at 1 gal/sq.
6. One coat of Pyramic Plus LO Base Coat applied at 1 gal./sq. followed by one coat of Pyramic Plus LO applied at 1 gal./sq.
7. StrataMax Gray applied in two coats at 1 gal/sq./coat.
8. StrataMax White applied in two coats at 1 gal/sq./coat.

**Maximum Design  
Pressure:**

-150 psf. (See General Limitation #7.)



**Membrane Type:** SBS/SIS/SEBS  
**Deck Type 1:** Wood, Non-Insulated  
**Deck Description:** <sup>19</sup>/<sub>32</sub>" APA rated, 40/20 span rating, CDX, 4-ply or greater plywood or wood plank secured to supports spaced 24" with #8 wood screws spaced 6" o.c.  
**System Type E(1):** Base sheet mechanically fastened

**All General and System Limitations apply.**

**Base Sheet:** One ply of HPR Glasbase, HPR Premium Glasbase or HPR Tri-Base Premium fastened to the deck as described below:

**Fastening:** Attach base sheet using SFS Dekfast 12 fasteners with SFS Dekfast Galvalume Steel Hex plates, OMG #12 Standard Roofgrip or OMG Heavy-Duty Fasteners with OMG 3" Round Metal Plates, or OMG AccuTrac Hextra fasteners and AccuTrac Plates spaced 9" o.c. in a 4" lap and 9" o.c. in two staggered rows in the center of the sheet.

**Ply Sheet:** Two or more plies of HPR Glasfelt, or HPR Polyscrim Plus adhered with a full mopping of approved asphalt, HPR All Temp Asphalt or Garlastic KM Plus within the EVT range and at a rate of 25 lbs./sq.

Or

Two or more plies of HPR Glasbase, HPR Premium Glasbase or HPR Tri-Base Premium adhered with Weatherking or Weatherking Plus WC applied at 2-2.5 gal./sq.

**Membrane:** One ply of StressPly FR Mineral, StressPly Plus, StressPly Plus FR Mineral, StressPly EUV FR Mineral or VersiPly Mineral adhered with a full mopping of approved asphalt, HPR All Temp Asphalt or Garlastic KM Plus within the EVT range and at a rate of 25 lbs./sq. or with Weatherking or Weatherking Plus WC applied at 2-2.5 gal./sq.

**Surfacing:** Optional for mineral surfaced Membranes. Required for smooth surfaced membranes. Apply one of the below:

1. Black Knight Cold applied at 4-5 gal./sq.. Broadcast 400 lbs./sq. (181 kg/9.29m<sup>2</sup>) of clean roof gravel immediately into the wet adhesive.
2. WeatherScreen applied at 4-5 gal./sq. Broadcast 400 lbs./sq. (181 kg/9.29m<sup>2</sup>) of clean roof gravel immediately into the wet adhesive.
3. Two coats of Garla-Brite applied at 0.5 gal./sq./coat.
4. Green-Lock Plus Membrane Adhesive applied at 4-5 gal/sq. Broadcast 400 lbs./sq. of clean roof gravel immediately into the wet adhesive.
5. One coat of Pyramic, Pyramic Plus LO, Pyramic LO Base Coat or Pyramic Base applied at 1 gal/sq followed by one coat of Pyramic applied at 1 gal/sq.
6. One coat of Pyramic Plus LO Base Coat applied at 1 gal./sq. followed by one coat of Pyramic Plus LO applied at 1 gal./sq.
7. StrataMax Gray applied in two coats at 1 gal/sq./coat.
8. StrataMax White applied in two coats at 1 gal/sq./coat.

**Maximum Design**

**Pressure:** -60 psf. (for membranes in hot asphalt, See General Limitation #7.)



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|                          |                                                                                                                                                         |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Membrane Type:</b>    | SBS/SIS/SEBS                                                                                                                                            |
| <b>Deck Type 1:</b>      | Wood, Non-Insulated                                                                                                                                     |
| <b>Deck Description:</b> | 19/32" APA rated, 40/20 span rating, CDX, 4-ply or greater plywood or wood plank secured to supports spaced 24" o.c. with #8 wood screws spaced 6" o.c. |
| <b>System Type E(2):</b> | Base sheet mechanically fastened                                                                                                                        |

**All General and System Limitations apply.**

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Base Sheet:</b> | One ply of HPR Glasbase HPR Premium Glasbase or HPR Tri-Base Premium fastened to the deck as described below:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Fastening:</b>  | Trufast 3" Metal Insulation plates with Trufast #14 HD Fasteners, OMG 3" Round Metal Plates with OMG Heavy Duty fasteners, OMG Flat Bottom Metal Plates with #14 Roofgrip fasteners or SFS Dekfast Galvalume Steel Hex plates with Dekfast 14 fasteners spaced 6" o.c. within 4" wide lap and 6" o.c. within three equally spaced staggered rows in the field.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Ply Sheet:</b>  | Two or more plies of HPR Glasfelt adhered with a full mopping of approved asphalt, HPR All Temp Asphalt or Garlastic KM Plus within the EVT range and at a rate of 25 lbs./sq.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Membrane:</b>   | <p>One ply of StressPly FR Mineral, StressPly Plus, StressPly Plus FR Mineral, StressPly EUV FR Mineral or VersiPly Mineral adhered with a full mopping of approved asphalt, HPR All Temp Asphalt or Garlastic KM Plus within the EVT range and at a rate of 25 lbs./sq.</p> <p>Or</p> <p>One ply of StressPly, StressPly EUV, StressPly EUV FR Mineral, StressPly EUV Mineral, StressPly FR Mineral, StressPly Mineral, StressPly Plus, StressPly Plus FR Mineral, VersiPly 60, VersiPly 80, or VersiPly Mineral adhered hot asphalt at a rate of 25 lbs/sq.</p> <p>Or</p> <p>One ply of Stressply, OptiMax, StressPly EUV, StressPly EUV FR Mineral, StressPly FR Mineral, StressPly Legacy, StressPly Legacy FR Mineral, StressPly Max, StressPly Max FR Mineral, StressPly Plus, StressPly Plus FR Mineral, VersiPly 80, VersiPly Mineral adhered with WeatherKing adhesive applied at a rate of 2-2.5 gal/sq.</p> <p>Or</p> <p>OptiMax FR Mineral, StressPly EUV FR Mineral, StressPly Legacy FR Mineral, StressPly Max, StressPly Max FR Mineral, VersiPly mineral adhered with Green-Lock Plus Membrane Adhesive applied at a rate of 2-2.5 gal/sq.</p> <p>Or</p> <p>StressPly Legacy adhered with Garlastic KM Plus membrane adhesive applied at a rate of 25 lbs./sq.</p> |



**Surfacing:**

Optional for mineral surfaced Membranes. Required for smooth surfaced membranes.

Apply one of the below:

1. Black Knight Cold applied at 4-5 gal./sq.. Broadcast 400 lbs./sq. (181 kg/9.29m<sup>2</sup>) of clean roof gravel immediately into the wet adhesive.
2. WeatherScreen applied at 4-5 gal./sq. Broadcast 400 lbs./sq. (181 kg/9.29m<sup>2</sup>) of clean roof gravel immediately into the wet adhesive.
3. Two coats of Garla-Brite applied at 0.5 gal./sq./coat.
4. Green-Lock Plus Membrane Adhesive applied at 4-5 gal./sq. Broadcast 400 lbs./sq. of clean roof gravel immediately into the wet adhesive.
5. One coat of Pyramic, Pyramic Plus LO, Pyramic LO Base Coat or Pyramic Base applied at 1 gal/sq followed by one coat of Pyramic applied at 1 gal/sq.
6. One coat of Pyramic Plus LO Base Coat applied at 1 gal./sq. followed by one coat of Pyramic Plus LO applied at 1 gal./sq.
7. StrataMax Gray applied in two coats at 1 gal/sq./coat.
8. StrataMax White applied in two coats at 1 gal/sq./coat.

**Maximum Design  
Pressure:**

-135 psf. (See General Limitation #7)



## WOOD DECK SYSTEM LIMITATIONS:

1. A slip sheet is required with Ply 4 and Ply 6 when used as a mechanically fastened base or anchor sheet.

## 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**



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