



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: Terra-Seal<sup>®</sup> and VaporSmart<sup>®</sup> SA Underlayments

**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 is a new NOA and it consists of pages 1 through 6.  
The submitted documentation was reviewed by Alex Tigera.

08/15/24



**NOA No.: 24-0222.08**  
**Expiration Date: 08/15/29**  
**Approval Date: 08/15/24**  
**Page 1 of 6**

ROOFING COMPONENT APPROVAL

Category: Roofing  
Sub-Category: Underlayment  
Material: SBS, Polyester

SCOPE:

This acceptance is for Terra-Seal® and VaporSmart® SA Underlayments, for use with approved prepared roof assemblies where the applicable TAS/ASTM specific underlayment is specified and installed with prescribed approved adhesives, fasteners and fastener densities, as described in this Notice of Acceptance; designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone of the Florida Building Code.

PRODUCTS DESCRIPTION:

| <u>Product</u>                              | <u>Dimensions</u>             | <u>Test Specification</u> | <u>Product Description</u>  |
|---|-------------------------------|---------------------------|---|
| Terra-Seal®<br>Manufacturing location #1    | 3 ft. 3 in. x 67 ft.<br>rolls | TAS 103                   | Laminated polyester fabric with underside surfaced with self-sealing asphalt adhesive and a split release film.   |
| VaporSmart® SA<br>Manufacturing location #1 | 3 ft. 3 in. x 75 ft.<br>rolls | ASTM D1970<br>TAS 110     | SBS modified bitumen air barrier/vapor retarder with topside surfaced with polypropylene film and underside surfaced with self-sealing asphalt adhesive and a split release film. |

MANUFACTURING LOCATION:

- Coshocton, OH

EVIDENCE SUBMITTED:

| <u>Test Agency</u> | <u>Test Identifier</u> | <u>Test Name/Report</u> | <u>Date</u> |
|--------------------|------------------------|-------------------------|-------------|
| NEMO ETC, LLC.     | 4j-GRL-23-SSUDL-02.A   | TAS 103                 | 2024-07-25  |
|                    | 4j-GRL-23-SSUDL-01.A   | ASTM D1970              | 2024-04-09  |

BUILDING PERMIT REQUIREMENTS:

Application for building permit shall be accompanied by copies of the following:

- This Notice of Acceptance.
- Any other documents required by the Building Official or applicable building code in order to properly evaluate the installation of these materials.

LABELING:

All membranes or packaging shall bear the imprint or identifiable marking of the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.



## APPROVED ASSEMBLIES – GARLAND SELF-ADHERED UNDERLAYMENTS

|                           |  |
|---------------------------|--|
| <b>Deck Type 1:</b>       | Wood, non-insulated  |
| <b>Deck Description:</b>  | Min. 19/32” plywood or wood plank  |
| <b>System Type E(1):</b>  | Anchor sheet mechanically fastened to deck, membrane adhered   |
| <b>Anchor/Base Sheet:</b> | One or more plies of ASTM D 226 Type II or ASTM D 2626.  |
| <b>Fastening:</b>         | Per FBC 1518.2 & 1518.4 Nails and tin caps 12” grid, 6” o.c. at a minimum 4” head lap. (for base sheet only)   |
| <b>Membrane:</b>          | <b>VaporSmart® SA</b> , self-adhered.  |
| <b>Surfacing:</b>         | Approved for asphalt shingle, non-structural metal roofing, wood shakes & shingles or slate roof assemblies as specified within the Roof System NOA. |

**Tile Roofing is not an approved roof covering for use with this assembly.**

|                          |  |
|--------------------------|--|
| <b>Deck Type 1:</b>      | Wood, Non-Insulated  |
| <b>Deck Description:</b> | 19/32” APA rated, 40/20 span rating, CDX, 4-ply plywood or wood plank secured with #8 wood screws spaced 6” o.c. at supports maximum 24” o.c. spacing.   |
| <b>System F(1):</b>      | Membrane self-adhered directly to wood deck.   |
| <b>Primer:</b>           | Garla Prime SA, applied to the deck at a rate of 0.5 gal./sq.  |
| <b>Membrane:</b>         | <b>Terra-Seal®</b> , self-adhered and back-nailed to deck with 8d ring shank nails and 32 ga. x 1-5/8-inch diameter tin caps spaced at a maximum 12” o.c. at the side laps and 6” o.c. at the end laps closed with Garla-Flex, Flashing Bond, or Green-Lock Plus Flashing Adhesive. No nails or tin caps shall be exposed. |
| <b>Surfacing:</b>        | Approved for asphalt shingle, mechanically fastened roof tile, foam-adhered roof tile, non-structural metal roofing, wood shakes & shingles or slate roof assemblies as specified within the Roof System NOA.  |
| <b>Note:</b>             | For tile roof assemblies, refer to RAS 118, 119 or 120 and the tile manufacturer’s NOA. <ul style="list-style-type: none"><li>• For foam-adhered tile roof assemblies using <b>Terra-Seal®</b>, approved for use with ICP’s <b>APOC® Polyset® AH-160 (HFO)</b>, or <b>Terra-Lock Adhesive</b>.</li></ul>                   |

### Underlayment Uplift

**Design Pressure:** -82.5 psf.\*

**\*Underlayment Uplift Design Pressure rating above is included for additional analysis of the underlayment assembly only by the Authority Having Jurisdiction. This value does not include the roof system.**



**Deck Type 1:** Wood, non-insulated

**Deck Description:** 19/32" plywood or wood plank

**System Type F(2):** Membrane adhered direct to deck.

**Membrane:** VaporSmart® SA, self-adhered in accordance with FBC HVHZ 1518.2.1(1) and back-nailed using 12 ga. x 1-1/2" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-5/8" diameter tin caps max 12" o.c.

**Surfacing:** Approved for asphalt shingle, non-structural metal roofing, wood shakes & shingles or slate roof assemblies as specified within the Roof System NOA.

**Tile Roofing is not an approved roof covering for use with this assembly.**



## GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of these products.
2. This acceptance is for prepared roofing applications. Minimum deck requirements shall be in compliance with applicable building code. Terra-Seal® and VaporSmart® SA shall be installed in strict compliance with applicable Building Code.
3. **Terra-Seal®** may be used in asphaltic shingles, wood shakes and shingles, non-structural metal roofing, adhered roof tile using adhesives **APOC® Polyset® AH-160 (HFO) or Terra-Lock Adhesive.**

**VaporSmart® SA** shall be acceptable underlayment for asphaltic shingles, non-structural metal roofing, wood shakes and shingles, and slate or simulated slate roof assemblies.

4. 1-ply system of Terra-Seal® shall be staged (8-tile stack) as per manufacturer's requirements, not to exceed 8-high, to the standard maximum roof pitch of 6:12 for flat tiles and 6:12 for lugged tiles (See Tile Staging Method diagram below).

At roof slopes greater than the above limitations, the use of loading battens or toe boards are required to load the roof tile.

### Tile Staging Method



**Side View - Staged Tiles (Slope ↓)**

5. VaporSmart® SA shall not be adhered directly over a pre-existing roof membrane as a recover system.
6. Terra-Seal® and VaporSmart® SA shall not be left exposed as a temporary roof for longer than 180 days of application.
7. Refer to Prepared Roofing system Product Control Notice of Acceptance for listed approval of this product with specific prepared roofing products.
8. Terra-Seal® and VaporSmart® SA may be used with any approved roof covering Notice of Acceptance listing Terra-Seal® and VaporSmart® SA as a component part of an assembly in the Notice of Acceptance. If Terra-Seal® and VaporSmart® SA are not listed, a request may be made to the Authority Having Jurisdiction (AHJ) or the Miami-Dade County Product Control Department for approval provided that appropriate documentation is provided to detail compatibility of the products, wind uplift resistance, and fire testing results.
9. Terra-Seal® and VaporSmart® SA shall be applied to a smooth, clean and dry surface with deck free of irregularities. All nails in the deck shall be carefully checked for protruding heads. Re-fasten any loose decking panels. Sweep the deck thoroughly to remove any dust and debris prior to application.
10. When applying the membrane in the valley, start at the low point and work to the high point, rolling the membrane from the center outward in both directions. For ridge applications, center the membrane and roll from the center outward in both directions.

## **GENERAL LIMITATIONS:**

11. Roll or broom the entire membrane surface so as to have 100% contact with the surface, giving special attention to overlap areas.
12. Flash vent pipes, stacks, chimneys and penetrations in compliance with Roof Assembly current Product Control Notice of Acceptance and applicable Building Code.
13. All protrusions or drains shall be initially taped with a 6" piece of underlayment. The flashing tape shall be pressed in place and formed around the protrusion to ensure a tight fit. A second layer of Terra-Seal® or VaporSmart® SA shall be applied over the underlayment.
14. 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.
15. All membranes or packaging shall bear the imprint or identifiable marking of the manufacturer's name or logo and the following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.

## **END OF THIS ACCEPTANCE**

