



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

**NOTICE OF ACCEPTANCE (NOA)**

**GAF Materials Corporation**  
**1361 Alps Road**  
**Wayne, NJ 07470**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

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

**DESCRIPTION: GAF-Elk TruSlate™ Roofing System**

**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 consists of pages 1 through 6.

The submitted documentation was reviewed by Alex Tigera.



NOA No. 09-0706.14  
Expiration Date: 05/26/15  
Approval Date: 05/26/10  
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## ROOFING ASSEMBLY APPROVAL

|                      |                     |
|----------------------|---------------------|
| <b>Category:</b>     | Roofing             |
| <b>Sub-Category:</b> | 07310 Roofing Slate |
| <b>Materials</b>     | Slate               |
| <b>Deck Type:</b>    | Wood                |

### SCOPE:

This approves the TruSlate™ Roofing System, manufactured by GAF Materials Corporation in Bridgewater, N.J., Dallas, TX., and Fontana, CA., as described in this Notice of Acceptance, which is designed to comply with the Florida Building Code. For the locations where mean roof height, as determined by applicable building code, does not exceed 33 feet, or calculated in accordance RAS 127 with values in tables 1 & 2 herein.

### PRODUCT DESCRIPTION:

| <u>Product</u>                              | <u>Dimensions</u>   | <u>Test Specifications</u> | <u>Product Description</u>  |
|---|---|----------------------------|---|
| TruSlate™ – Eco Green                       | various   | TAS 110                    | Dense sound rock, quarried for roofing stock. Thickness from 1/4" to 3/8" and various widths and lengths. |
| TruSlate™ – Smoke Grey                      | various   | TAS 110                    | Dense sound rock, quarried for roofing stock. Thickness from 1/4" to 3/8" and various widths and lengths. |
| TruSlate™ – Onyx Black                      | various   | TAS 110                    | Dense sound rock, quarried for roofing stock. Thickness from 1/4" to 3/8" and various widths and lengths. |
| TruSlate™ – Greystone                       | various   | TAS 110                    | Dense sound rock, quarried for roofing stock. Thickness from 1/4" to 3/8" and various widths and lengths. |
| TruSlate™ – Mystic Grey                     | various   | TAS 110                    | Dense sound rock, quarried for roofing stock. Thickness from 1/4" to 3/8" and various widths and lengths. |
| TruSlate™ – Jade Green                      | various   | TAS 110                    | Dense sound rock, quarried for roofing stock. Thickness from 1/4" to 3/8" and various widths and lengths. |
| TruSlate™ – Rustic Red                      | various   | TAS 110                    | Dense sound rock, quarried for roofing stock. Thickness from 1/4" to 3/8" and various widths and lengths. |
| TruGrip™ Batten and Hanger System           | L = 48"<br>W = 2"<br>Thickness = 0.020"<br>Wire Hanger: 12ga. | ASTM A580                  | Stainless steel batten and stainless steel wire assembly for use with GAF-Elk TruSlate™.                  |
| TruSlate™ Underblock™ UV & Moisture Barrier | 12-3/4" x 350' rolls  | ASTM D 226 Type II         | Synthetic felt underlayment designed as a slate roofing underlayment.                                     |



|  |                                    |                        |  |
|--|------------------------------------|------------------------|--|
| Weather Watch®<br>(07-1010.19)                     | 36" x 50' rolls<br>36" x 67' rolls | ASTM D 1970            | Granular surfaced modified, fiberglass reinforced, bituminous sheet material for use as an underlayment in sloped roof assemblies. Designed as an ice and rain shield. |
| StormGuard®<br>(07-1010.19)                        | 36" x 66.7' rolls                  | ASMT D 1970            | Modified, fiberglass reinforced, bituminous sheet material for use as an underlayment in sloped roof assemblies. Designed as an ice & rain shield.                     |
| UnderRoof™ 2<br>(07-0720.01)                       | 39-3/8" x 66.7' rolls              | TAS 103<br>ASTM D 1970 | Self-adhering reinforced membrane of rubberized asphalt with polyester surfacing for use as an underlayment in sloped tile and asphalt shingle roof assemblies.        |
| DeckArmor™ Roof<br>Deck Protection<br>(06-0606.04) | 54" x 222' rolls                   | ASTM D 226<br>Type II  | A UV-stabilized polypropylene breathable underlayment. To be used for roof deck protection as an underlayment in sloped roof assemblies.                               |

**EVIDENCE SUBMITTED:**

| <u>Test Agency</u>                          | <u>Test Identifier</u> | <u>Test Name/Report</u> | <u>Date</u> |
|---|------------------------|-------------------------|-------------|
| PRI Construction<br>Materials Technologies. | BRY-059-02-01          | TAS 100                 | 12/19/06    |
| Trinity ERD                                 | E10460.03.09           | ASTM C 406              | 03/25/09    |
| Underwriters<br>Laboratories                | 07CA06956              | UL580                   | 02/12/07    |
| PRI Construction<br>Materials Technologies. | GAF-242-02-02          | ASTM D 226              | 01/20/10    |



**APPROVED SYSTEMS:**

- Deck Type:** Wood, Non-insulated
- Deck Description:** 19/32" or greater plywood or wood plank.
- Slope Range:** 4:12" or greater

**Deck Attachment:** In accordance with applicable building code, but in no case shall it be less than #8 corrosion resistant screws spaced 6" o.c. In reroofing, where the deck is less than 19/32" thick (Minimum 15/32") the above attachment method must be in addition to existing attachment.

**Underlayment: For slopes 4:12 up to and including 5:12:**  
Apply one layer of GAF-Elk Deck-Armor™ Roof Deck Protection with a minimum 3" side lap and 6" end lap with minimum 3' between end laps mechanically fastened to deck with approved nails and tin caps 6" o.c. at the laps and two staggered rows 12" o.c. the field of the roll. Or, apply two layers of ASTM D226 Type II (#30) asphalt saturated underlayment by installing a 19" wide starter strip of ASTM D226 Type II (#30) asphalt saturated underlayment at the eave edge and then applying additional sheets to cover the deck with a 19" overlap and minimum 6" end laps.  
In addition, apply a self-adhering GAF-Elk StormGuard®, or UnderRoof™ 2, or Weather Watch® on top of the Deck-Armor™ Roof Deck Protection or ASTM D226 Type II (#30 Underlayment) covering the full deck with a minimum 3" side lap and 6" end lap. Place the first course of membrane parallel to the eave, rolling the membrane to obtain maximum contact. Remove the release membrane as the membrane is applied. Vertical strapping of the roof with the GAF-Elk Leak Barrier is acceptable.

**For slopes over 5:12:**  
Apply one layer of GAF-Elk Deck-Armor™ Roof Deck Protection with a minimum 3" side lap and 6" end lap with minimum 3' between end laps mechanically fastened to deck with approved nails and tin caps 6" o.c. at the laps and two staggered rows 12" o.c. the field of the roll. Or, apply two layers of ASTM D226 Type II (#30) asphalt saturated underlayment by installing a 19" wide starter strip of ASTM D226 Type II (#30) asphalt saturated underlayment at the eave edge and then applying additional sheets to cover the deck with a 19" overlap and minimum 6" end laps.  
In addition, apply a self-adhering GAF-Elk StormGuard®, or UnderRoof™ 2, or Weather Watch® on top of the Deck-Armor™ Roof Deck Protection or ASTM D226 Type II (#30 Underlayment) at the eaves, hips and ridges, gable/rake edges, in valleys, around roof protrusions and at all other vulnerable areas of the roof. At the eave edge, apply GAF-Elk Leak Barrier in 18" strips from the eave edge to a point at least 24" (610mm) beyond the inside "warm" wall of the living space. Full deck coverage of a GAF-Elk Leak Barrier is also acceptable on slopes over 5:12.

**Eave Metal:** For eave and gable drip metal, made of Copper, Lead Coated Copper, Lead or Stainless Steel, fasten with 1-1/4" nails manufactured from similar and compatible material at a maximum spacing of 4" o.c. Eave and gable detail shall be in accordance with the installation instructions and details in GAF Materials Corporation's current published installation manual. All composite materials shall be fastened with non-ferrous nails. All metal profiles shall be installed in compliance with RAS 111.



**Valleys:**

Valley metal, made of Copper, Lead Coated Copper, Lead or Stainless Steel, shall be a minimum 24" wide preformed W-shape metal with returns. If the slope is greater than 12": 12", valley metal may be reduced to 16" wide. Valley metal shall be set over a minimum 36" wide sweat sheet of Deck-Armor™ Roof Deck Protection or minimum ASTM D 226 type II embedded in roofing cement, or a GAF-Elk StormGuard®, or UnderRoof™ 2, or Weather Watch®. Valley metal shall be secured with clips fabricated from similar or compatible material. Clips shall be spaced a maximum 12" o.c. and secured with a minimum of 2 approved 1-1/4" roofing nails manufactured from similar and compatible material set in roofing cement. Trim metal at all valley/ridge junctions, ensuring water-shedding capabilities onto the valley. Install metal soaker at all valley junctions. Turn soaker up on sides a minimum of 1" to create a water diverter, ensuring ample water-shedding capabilities. Valley detail shall be in accordance with the installation instructions and details in GAF Materials Corporation's current published installation manual.

Additionally, install a full sheet of GAF-Elk StormGuard®, or UnderRoof™ 2, or Weather Watch®, centered on the valley, on top of the Deck-Armor™ Roof Deck Protection or ASTM D 226 Type II underlayment.

**Ridges:**

Ridges shall be covered with slate having a width that is approximately the same as the field slate exposure. The exposure of the ridge slate shall be approximately the same as the width of the field slates. Pre-manufactured hip and ridge units are acceptable. In all cases the ridge slates cover the last course of the field slate by a minimum of 2". Ridge slate shall be installed in a saddle or combing method and shall be attached with an alternating overlap. All ridge slate shall be set in an 8" bed of ASTM D 4586 mastic.

**Application:**

Install GAF-Elk TruSlate™ Roofing System as per GAF Materials Corporation's current published installation instructions and this Notice of Acceptance.

TruGrip™ Battens shall be installed 9-1/2" – 10" o.c. and secured to the plywood deck with 1-1/4" long by 3/8" head diameter stainless steel ring shank nails spaced 6" o.c. Install the TruGrip™ Hangers into the battens 6" o.c.

TruSlate™ UnderBlock™ UV & Moisture Barrier is used as an interlayment between the slates, TruGrip™ Hangers and roof deck. The UnderBlock™ Moisture Barrier is installed in 10'-12' (3.05-3.66m) sections with side laps of at least 12" (304.8mm). The 10'-12' length sections are placed along the bottom edge of the Battens using Hangers to support the bottom edge of the UnderBlock™ UV & Moisture Barrier. The UnderBlock™ UV & Moisture Barrier is installed "Dull" side up ("Shinny" side down).

Slate shall be laid so that alternate courses do not align, all joints shall be offset not less than 3" from any underlying joint.

Each slate shall be inserted along the battens into the TruGrip™ Hangers supporting the bottom edge of the slate. **See Details herein.** Each slate shall have a minimum 9-1/2" exposure. Slates must always be a minimum of 4" in width and 5" in height and supported by at least two hangers.

**Maximum Design**

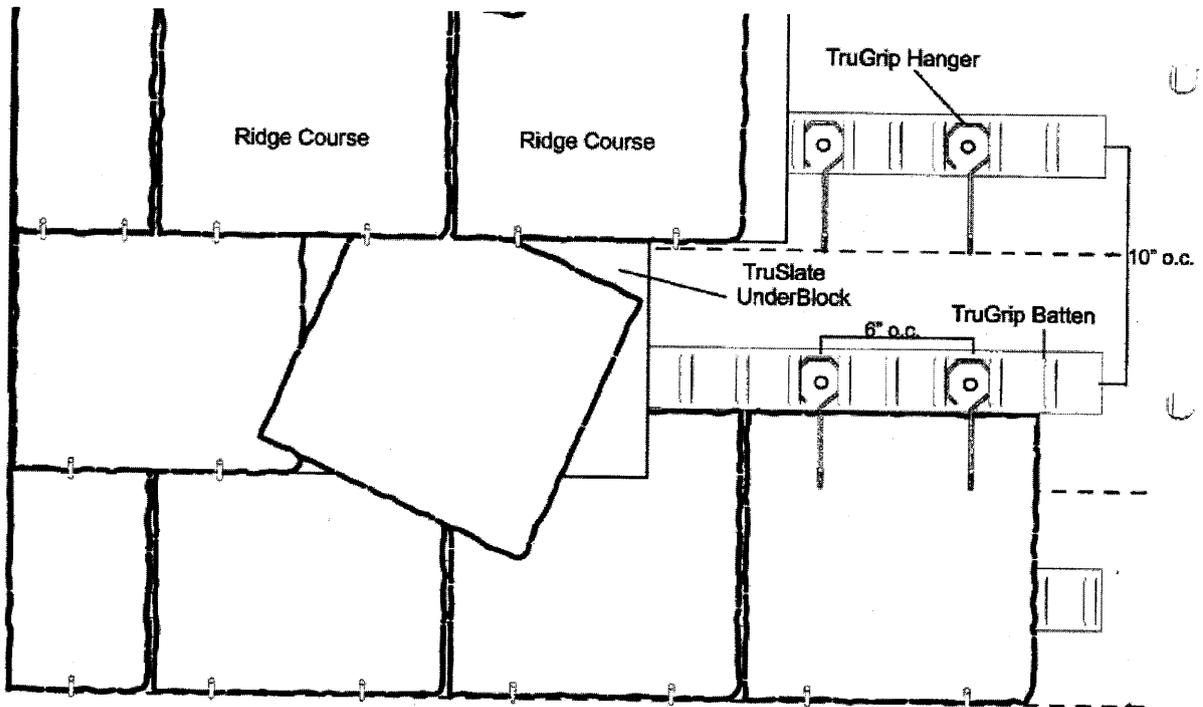
**Pressure:** -84.6 psf (See General Limitation #5)



## LIMITATIONS

1. This acceptance is for wood deck applications. Minimum deck requirements shall be in compliance with applicable building code.
2. All Slates shall bear the imprint or identifiable marking of the manufacturer, name or logo, or following statement: "Miami-Dade County Product Control Approved".
3. The applicant shall retain the services of a Miami-Dade County certified testing laboratory to maintain quality control in compliance with the Florida Building Code.
4. Application for building permit shall be accompanied by copies of the following:
  - a. This Notice of Acceptance.
  - b. Any other documents required by the Building Official or applicable Building Code in order to properly evaluate the installation of this system.
5. The maximum designed pressure listed herein 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).
6. TruSlate™ UnderBlock™ UV & Moisture Barrier shall not be left exposed for longer than 30 days after application.
7. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.

## DETAIL DRAWING



END OF THIS ACCEPTANCE



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