

Evaluation Report

"Top Notch"

Roof Underlayment

Manufacturer:

Ridged Systems LLC

1071 SW 30th Avenue
Deerfield Beach, Florida 33442

for

Florida Product Approval

FL 8095.1 R7

Florida Building Code 9th Edition (2026)

Method: 1 - D

Category: Roofing

Sub - Category: Roofing Accessories that are an Integral Part of the Roofing System

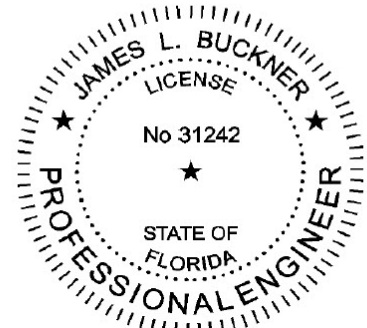
Product Name: "Top Notch"

Product Description: Ridge Member for Roof Tile

Prepared by:

James L. Buckner, P.E., SECB
Florida Professional Engineer # 31242
Florida Evaluation ANE ID: 1916
Project Manager: Diana Galloway
Report No. 26-808-TN-ER
(Revises Report No. 22-525-TN-ER, FL8095.1 R6)
Date: 10/17/2026

This item has been digitally signed and sealed by James L. Buckner, P.E., on this date below. Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies.



James L. Buckner, P.E.
FL31242

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Evaluation Report

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Manufacturer:	Ridged Systems LLC 1071 SW 30th Avenue Deerfield Beach, Florida 33442 (561) 276-9745 http://topnotchridge.com/
Product Name:	Top Notch
Product Category:	Roofing
Product Sub-Category	Roofing Accessories that are an Integral part of the Roofing System
Compliance Method:	State Product Approval Rule 61G20-3.005 (1) (d)
Product Description:	Ridge Member for Roof Tile made of High Density Polyethylene (HDPE).
Product Assembly as Evaluated:	Refer to Page 4 of this report for product assembly components/materials & standards: 1. Ridge Roof Tile 2. Roof Tile Adhesive 3. Top Notch Ridge member 4. Underlayment
Support:	Type: Wood Deck (Design of support system is outside the scope of this evaluation.) Description: • 15/32 or greater plywood, • or Wood plank (min. specific gravity of 0.42)
Performance:	Wind Uplift Resistance: • Design Uplift Pressure*: Concrete Tile: - 146 PSF Clay Tile: - 125 PSF * Allowable design pressure(s) for allowable stress design (ASD).
Performance Standards:	The product described herein has demonstrated compliance with: • SBCCI SSTD 11-97 – <i>Test Standard for Determining Wind Resistance of Concrete or Clay Roof Tiles</i> • ASTM D 1929-20 – <i>Standard test Method for Ignition Properties of Plastics</i> • ASTM D 635-18 - <i>Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position</i>

Standards Equivalency:

Test Standards Equivalency	
The following test standard versions used to test the product meets the prescribed standards as adopted by the current Florida Building for use as evaluated in this report.	
Test Standard per Current Code	Test Standard as Tested:
ASTM D 1929-20	ASTM D 1929-96
ASTM D 635-18	ASTM D 635-98

Code Compliance:

The product(s) described herein have demonstrated compliance with the performance standards listed above as referenced in the:

Florida Building Code 9th Edition (2026)

Evaluation Report Scope:

This product evaluation is limited to compliance with the structural requirements of the Florida Building Code, as related to the scope section to Florida Product Approval Rule 61G20-3.001.

**Limitations and
Conditions of Use:**

- Scope of "Limitations and Conditions of Use" for this evaluation:
This evaluation report for "Optional Statewide Approval" contains technical documentation, specifications and installation method(s) which include "Limitations and Conditions of Use" throughout the report in accordance with Rule 61G20-3.005. Per Rule 61G20-3.004, the Florida Building Commission is the authority to approve products under "Optional Statewide Approval".
- Option for application outside "Limitations and Conditions of Use"
Rule 61G20-3.005(1)(e) allows engineering analysis for "project specific approval by the local authorities having jurisdiction in accordance with the alternate methods and materials authorized in the Code". Any modification of the product as evaluated in this report and approved by the Florida Building Commission is outside the scope of this evaluation and will be the responsibility of others.
- This report is a building code product evaluation per FLPE rule (FAC) 61G15-36 to comply with Florida product approval rule (FAC) 61G20-3. This evaluation report is part of the Florida Building Commission approval for the listed code related criteria. This report by James Buckner, P.E. and CBUCK Engineering is not a design certification of code compliance construction submittal documentation, per FBC section 107, for any individual structure, site specific or permit design.
- Design of support system is outside the scope of this report.
- Fire Classification is outside the scope of Rule 61G20-3, and is therefore not included in this evaluation.
- This report does not evaluate the use of this product assembly as described in this report for use in the High Velocity Hurricane Zone code section. (Dade & Broward Counties)

Quality Assurance:

The manufacturer has demonstrated compliance of roof panel products in accordance with the Florida Building Code and Rule 61G20-3.0005 (3) for manufacturing under a quality assurance program audited by an approved quality assurance entity through Keystone Certifications, Inc., (FBC Organization #QUA ID:1824)

**Components/Materials
(by Manufacturer):**

Ridge Roof Tile Option 1:

Material: Concrete

Standard: Material shall comply with ASTM C 1492 per Florida Building Code 9th Edition (2026), Section 1507.3.4.

Ridge Roof Tile Option 2:

Material: Clay

Standard: Material shall comply with ASTM C 1167 per Florida Building Code 9th Edition (2026), Section 1507.3.5.

Roof Tile Adhesive:

Product Name: APOC Polyset® AH-160 (HFC)
(fka Polyset® AH-160, ICP AH-160)
Manufactured by: ICP Construction, Inc.
Type: Two-Component Adhesive
Material: Polyurethane froth
Current Approvals: FBC: FL#6332 R13, NOA# 23-0614.01

"Top Notch" Ridge Member

Material Type: Extruded Plastic
Material: High Density Polyethylene (HDPE)
Polymer Type: Thermoplastic
Physical Properties Standard: ASTM D 638
Tensile Stress: 23 MPa (minimum)

"4" Top Notch" Ridge Member

Dimensions: 10" (l) x 2.375" (w) x 4.25" (h), or

"2.5" Top Notch" Ridge Member

Dimensions: 10" (l) x 2.375" (w) x 2.75" (h)

Underlayment:

Material and application shall be in compliance with FBC Chapter 15 based on the type of roof covering, applicable codes and in accordance with manufacturer's recommendations.

Installation:

Installation Method: (Refer to drawings at the end of this evaluation report.)

1. **Roof adhesive**

Average paddy weight: **32 grams** per foot minimum.

A continuous strip paddy placement of roof tile adhesive shall be applied along the underlayment.

2. **"Top Notch" Ridge Member**

Install the "Top Notch" Ridge Member into the continuous strip paddy of roof tile adhesive.

3. **Roof adhesive**

Average paddy weight: **32 grams** per foot minimum.

A continuous strip paddy placement of roof tile adhesive shall be applied along the top length of the "Top Notch" Ridge Member.

4. **Concrete or Clay Ridge Tile**

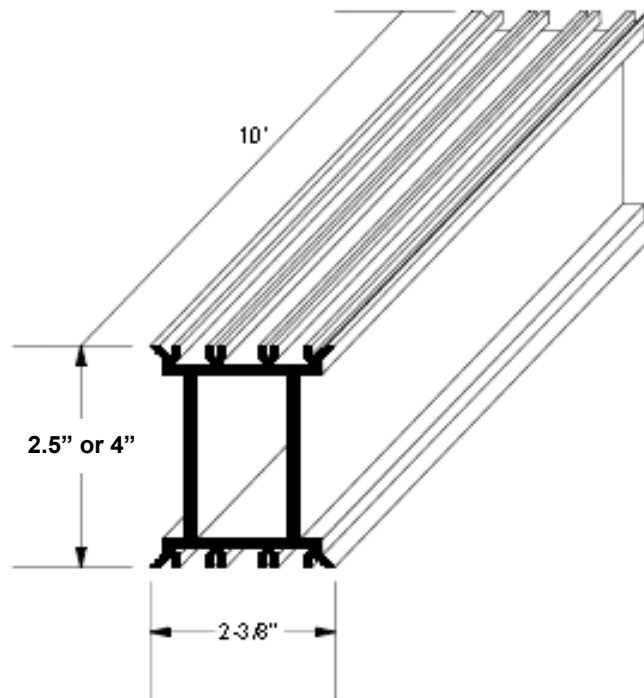
Attach the ridge tile to the "Top Notch" Ridge Member with patty placement starting at the head beneath the watercourse area of the tile and extending along the length of the member.

Install the ridge tile assembly in compliance with the installation method listed in this report and applicable code sections of Florida Building Code 9th Edition (2026). The installation method described herein is in accordance with the scope of this evaluation report. Refer to manufacturer's installation instructions as a supplemental guide for attachment.

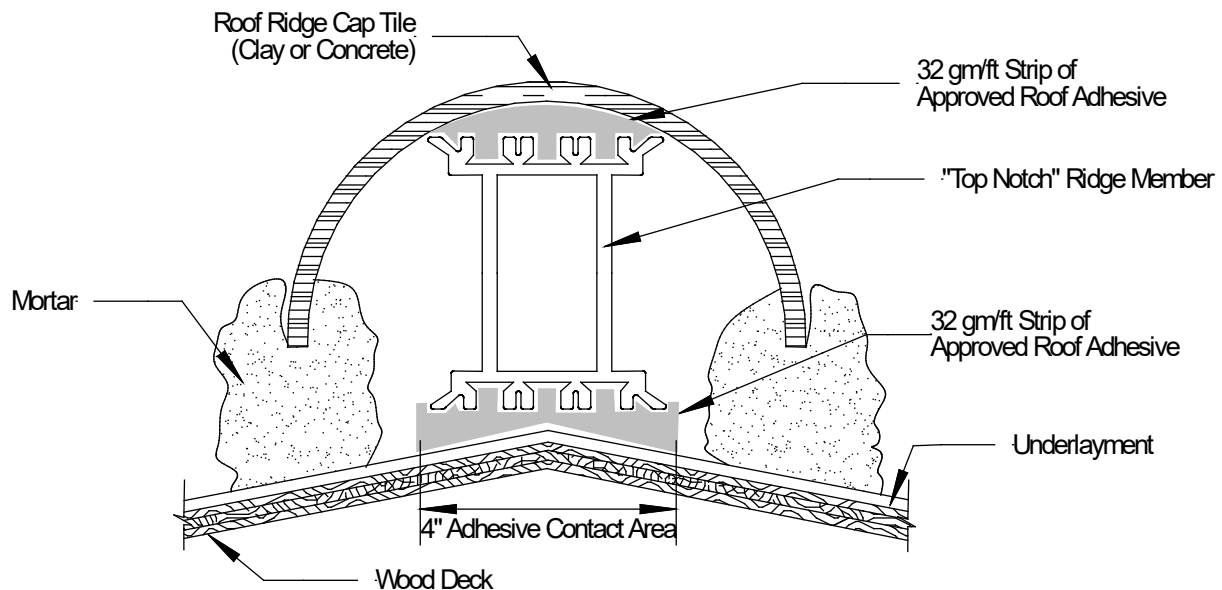
Referenced Data:

1. SBCCI SSTD 11-97 Uplift Test
By PRI Asphalt Technologies (FBC Organization #TST ID: 1679)
Report #: TGRI-001-02-03, Dated: 9/29/06
2. SBCCI SSTD 11-97 Uplift Test
By PRI Asphalt Technologies (FBC Organization #TST ID: 1679)
Report #: TGRI-001-02-04, Dated: 9/29/06
3. ASTM D 1929-96 & ASTM D 635-98 Tests
ETC Laboratories (FBC Organization #TST ID: 2411)
Report # ETC-08-718-20993.0, Dated 5/09/08
4. Equivalency of Test Standard Certification
By James L. Buckner, P.E. @ CBUCK Engineering
(FBC Organization # ANE 1916)
5. Quality Assurance
By Keystone Certifications, Inc., (FBC Organization #QUA ID:1824)
Ridged Systems, LLC, Licensee #: 448
6. Certification of Independence
By James L. Buckner, P.E. @ CBUCK Engineering
(ANE ID: 1916)

Installation Method Ridged Systems LLC "Top Notch" Tile Ridge Member



"Top Notch"
Typical Profile View



Typical Assembly Section View