



CREEK

TECHNICAL SERVICES, LLC

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EVALUATION REPORT

FLORIDA BUILDING CODE 7TH EDITION (2020)

Manufacturer: BEACON SALES ACQUISITIONS, INC. *Issued October 18, 2020*
c/o OWENS CORNING ROOFING AND ASPHALT LLC
1 Owens Corning Parkway
Toledo, OH 43657
(800) 438-7465

Quality Assurance: Intertek Testing Services NA, Inc. (QUA1673)

SCOPE

Category: Roofing
Subcategory: Underlayments
Code Edition: Florida Building Code, 7th Edition (2020) including High-Velocity Hurricane Zones (HVHZ)
Code Sections: 1507.1.1, 1518.4
Properties: Physical properties

REFERENCES

<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>	<u>Year</u>
Intertek Testing Services NA Ltd. (TST1509)	102389161COQ-002A	AC 188	2012
Intertek Testing Services NA Ltd. (TST1509)	102389161COQ-004	ASTM D 226	2009
PRI Construction Materials Technologies (TST5878)	OCR-259-02-01	ASTM D 1970	2015a
PRI Construction Materials Technologies (TST5878)	1378T0127	ASTM D 4533	2015
		ASTM D 5035	2011(2019)
		ASTM D 751	2019

PRODUCT DESCRIPTION

Beacon Tri-Built A mechanically attached, synthetic underlayment for use in steep slope roofing applications as an alternative to ASTM D 226, Type I or Type II felt that has demonstrated a minimum tear strength per ASTM D 4533 of 15 pounds, a minimum tensile strength per ASTM D 5035 of 20 pounds/inch, and meets liquid water transmission test of Section 8.6 of ASTM D 4869.

APPLICATION

Unless otherwise noted, the following application details shall be followed for New and Existing construction. See manufacturer's installation instructions for further detail.

Roof Deck:	The roof deck shall be constructed of closely fitted wood sheathing for new or existing construction. Plywood deck shall be installed in accordance with FBC requirements. Roof decks shall have no more than $\frac{1}{8}$ " gap at abutting joints.
Attachment method (Non-HVHZ):	Underlayment shall be attached in accordance with the FBC Section 1507.1.1, Table 1507.1.1.1 and manufacturer's installation instructions.
Attachment method (HVHZ):	Underlayment shall be installed with a minimum 4-inch head lap and minimum 6-inch end lap and be fastened as specified in FBC Section 1518.2.
Allowable roof coverings (Non-HVHZ):	Mechanically attached roof systems as prescribed in FBC Table 1507.1.1.1.
Allowable roof coverings (HVHZ):	Underlayment shall be used with mechanically attached asphalt shingles.

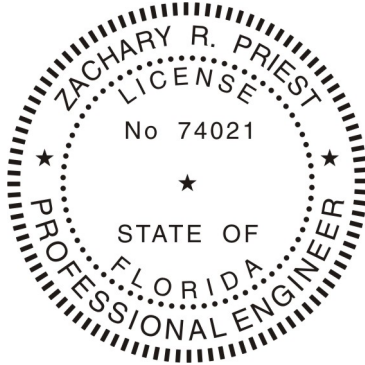
LIMITATIONS

- 1) Fire Classification is not within the scope of this evaluation.
- 2) Wind uplift resistance is not within scope of this evaluation.
- 3) Installation of the evaluated product shall comply with this report, the FBC, and the manufacturer's published application instructions. Where discrepancies exist between these sources, the more restrictive and FBC compliant installation detail shall prevail.
- 4) Deck substrates shall be clean, dry, and free from any irregularities and debris. All fasteners in the deck shall be checked for protrusion and corrected prior to underlayment application.
- 5) Roof slope limitations shall be in accordance with FBC requirements.
- 6) The underlayment may be used as described in other current FBC product approval documents.
- 7) Roof coverings shall not be adhered directly to the underlayment. Roof coverings shall be mechanically fastened through the underlayment to the roof deck.
- 8) The underlayment shall not be installed over existing roof coverings.
- 9) The underlayment shall be installed starting at the eave in horizontal layers such that the laps shed water from the deck. The first layer shall cover the entire bottom edge of the deck. End laps shall be staggered a minimum of 72-inches from the preceding course.
- 10) The underlayment shall be exposed on the roof deck for a maximum duration of 30 days.
- 11) All products listed in this report shall be manufactured under a quality assurance program in compliance with Rule 61G20-3.



COMPLIANCE STATEMENT

The products evaluated herein by Zachary R. Priest, P.E. have demonstrated compliance with the Florida Building Code 7th Edition (2020) including High-Velocity Hurricane Zones (HVHZ) as evidenced in the referenced documents submitted by the named manufacturer.



Zachary R. Priest, P.E.
Florida Registration No. 74021
Organization No. ANE9641

CERTIFICATION OF INDEPENDENCE

CREEK Technical Services, LLC does not have, nor will it acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

CREEK Technical Services, LLC is not owned, operated, or controlled by any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

END OF REPORT