



EVALUATION REPORT

FLORIDA BUILDING CODE, 6TH EDITION (2017)

Manufacturer: EAGLE ROOFING PRODUCTS FLORIDA LLC *Issued January 15, 2020*
 1575 E CR 478
 Sumterville, FL 33585
 (800) 400-4235
www.eagleroofing.com

Manufacturing Location: Springville, AL

Quality Assurance: UL LLC (QUA9625)

SCOPE

Category: Roofing
Subcategory: Underlayments
Code Sections: 1504.3.1, 1507.1.1, 1507.3.3, 1523.1.1, 1523.6.5.2.1
Properties: Physical properties

REFERENCES

<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>	<u>Year</u>
PRI Construction Materials Technologies (TST5878)	GGI-195-02-01	ASTM D 1970	2015a
PRI Construction Materials Technologies (TST5878)	GGI-196-02-01	TAS 103	1995
		TAS 110	2000
PRI Construction Materials Technologies (TST5878)	GGI-201-02-01	ICC-ES AC152	2013
PRI Construction Materials Technologies (TST5878)	GGI-202-02-01	ICC-ES AC152	2013
PRI Construction Materials Technologies (TST5878)	GGI-211-02-01	ASTM D 1970	2015a
		TAS 103	1995
PRI Construction Materials Technologies (TST5878)	GGI-212-02-01	UL 1897	2012

PRODUCT DESCRIPTION AND LIMITS OF USE

Eagle-Armor Eagle-Armor is a 60-mil thick ASTM D 1970, TAS 103 and FRSA/TRI April 2012 (04-12) compliant, self-adhesive underlayment constructed from a blend of highly flexible and elastic polymers, high melt bitumen, heavy weight polyester and high tensile glass reinforcement. The product is supplied in 2 sq. rolls with nominal dimensions of 39-3/8" x 65' 8".

Exposure on the roof deck shall be limited to a maximum 180 days. The maximum roof slope shall be 6:12 when the roof tiles are placed directly on the underlayment. Tiles shall be placed on loading boards or battens for roof slopes greater than 6:12.

PRODUCT APPLICATION

Min. Roof Slope:	2:12 in accordance with the FBC
Roof Deck:	Plywood decks shall be in accordance with the FBC requirements. Roof decks shall have no more than 1/8" gap at abutting joints.
Application:	<p><i>All underlayments shall be installed in accordance with the FBC.</i></p> <p><i>Substrates shall be clean, dry, and free from any irregularities and debris. All fasteners in the substrate shall be checked for protrusion and corrected prior to underlayment application. Prior to beginning installation, the underlayment shall be unrolled and allowed to relax for a minimum of 3-5 minutes.</i></p> <p>The underlayment shall be installed with the release backer removed and pressed firmly into place to ensure complete contact with the substrate. The underlayment shall be installed with the roll length parallel to the eave, starting at the eave, and with 3" headlaps and minimum 6" endlaps staggered min. 6-ft. from preceding course.</p> <p>In the HVHZ, the underlayment shall be installed over one of more plies of ASTM D 226 Type II or ASTM D 2626 organic felt with minimum 4" headlaps and minimum 6" endlaps in accordance with FBC Section 1518.3.</p> <p>It is permissible to backnail the underlayment 12-inches o.c. within the headlaps (nails shall be installed perpendicular to deck with the nail heads flush to the top surface of the underlayment).</p>
Min. Application Temperature:	40°F; <i>Contact the manufacturer when installing at temperatures below the minimum application temperature.</i>
Roof Coverings:	<p>The underlayment is permitted to be used with mechanically fastened metal roofing, clay and concrete roof tiles, slate shingles, asphalt shingles, photovoltaic shingles, and composite plastic shingles in accordance with the FBC.</p> <p>The underlayment is permitted to be used with adhered clay and concrete roof tile using the following adhesives in accordance with the FBC.</p> <ol style="list-style-type: none">1. ICP Adhesives Polyset AH1602. Dow TILE BOND Roof Tile Adhesive3. DAP Touch 'n Seal StormBond Roof Tile Adhesive

WIND RESISTANCE (NON-HVHZ ONLY)

The *Maximum Design Pressures* shown below were calculated using a 2:1 margin of safety per FBC Section 1504.9.

Underlayment System No.1

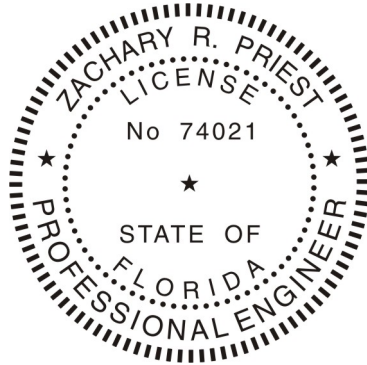
Roof Deck:	Min. 19/32-inch CDX plywood attached to wood supports spaced a maximum 24" o.c.
Underlayment:	Eagle-Armor shall be self-adhered in accordance with manufacturer's installation instructions to the fastened deck. The applied underlayment shall be rolled with a minimum 75lb steel roller immediately following application.
Maximum Design Pressure:	-135 psf

LIMITATIONS

1. Fire Classification is not within the scope of this evaluation.
2. 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.
3. The roof deck shall be constructed of closely fitted plywood sheathing for new or existing construction.
4. The space under the deck area shall be properly ventilated in accordance with the FBC requirements.
5. All headlaps shall be installed to shed water from the deck.
6. The underlayment may be used as described in other current FBC product approval documents.
7. Design wind load pressures shall be determined for components and cladding in accordance with FBC 1609.
8. The roof deck shall be designed by others in accordance with FBC requirements to resist the design wind load pressures for components and cladding.
9. *Maximum Design Pressures* for a given underlayment shall meet or exceed the design wind loads determined for the roof assembly.
10. 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 6th Edition (2017) 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