



EVALUATION REPORT

FLORIDA BUILDING CODE, 6TH EDITION (2017)

Manufacturer: MID-STATES ASPHALT AND CANT STRIP, INC. *Issued October 11, 2017*
 1637 51st Street
 Tuscaloosa, AL 35401
 (800) 489-2391
www.msarroof.com

Manufacturing Location: Tuscaloosa, AL

Quality Assurance: UL LLC (QUA9625)

SCOPE

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

PRODUCT DESCRIPTION AND LIMITS OF USE

QUIK-Stick Ice & Water Granular QUIK-Stick Ice & Water Granular is an ASTM D 1970 self-adhesive underlayment constructed from SBS modified asphalt, a fiberglass mat reinforcement and surfaced with granules. The product is supplied in 2-sq. rolls with nominal dimensions of 3-ft x 66.8-ft and has a nominal thickness of 50 mils.

QUIK-Stick Ice & Water Granular is permitted to be used as prescribed in FBC Section 1507.1.1 for mechanically attached roofing coverings. Exposure on the roof deck shall be limited to a maximum 30 days.

QUIK-Stick Ice & Water Sand QUIK-Stick Ice & Water Sand is an ASTM D 1970 self-adhesive underlayment constructed from SBS modified asphalt with a fiberglass mat reinforcement and surfaced with sand. The product is supplied in 2-sq. rolls with nominal dimensions of 3-ft x 66.8-ft and has a nominal thickness of 50 mils.

QUIK-Stick Ice & Water Sand is permitted to be used as prescribed in FBC Section 1507.1.1 for mechanically attached roofing coverings. Exposure on the roof deck shall be limited to a maximum 30 days.

QUIK-Stick HT (High Temperature) QUIK-Stick HT is an ASTM D 1970 self-adhesive underlayment constructed from SBS modified asphalt with a fiberglass mat reinforcement and poly-fabric surface. The product is supplied in 2-sq. rolls with nominal dimensions of 3-ft x 66.8-ft or 3-ft 3-in x 61-ft and has a nominal thickness of 60 mils.

QUIK-Stick HT is to be used as prescribed in FBC Section 1507.1.1. QUIK-Stick HT is permitted to be used with adhered clay or concrete tile roofing using either ICP Adhesives Polyset AH-160 (ICP Adhesives and Sealants, Inc.). Exposure on the roof deck shall be limited to a maximum 90 days.

The maximum roof slope shall be 6:12 when used with clay or concrete tile installations without battens. Tile shall be stored on battens for roof slopes greater than 6:12. Tiles shall not be stacked greater 10 tiles per stack.



**QUIK-Stick HT Pro
(High Temperature)**

QUIK-Stick HT Pro is an ASTM D 1970 self-adhesive underlayment constructed from SBS modified asphalt with a fiberglass mat reinforcement and poly-fabric surface. The product is supplied in 2-sq. rolls with nominal dimensions of 3-ft x 66.8-ft and has a nominal thickness of 60 mils.

QUIK-Stick HT Pro is permitted to be used as prescribed in FBC Section 1507.1.1 for mechanically attached roofing coverings. Exposure on the roof deck shall be limited to a maximum 30 days.

**QUIK-Stick FS
(Film Surface)**

QUIK-Stick FS is an ASTM D 1970 self-adhesive underlayment constructed from SBS modified asphalt with a fiberglass mat reinforcement and textured film surface. The product is supplied in 2-sq. rolls with nominal dimensions of 3-ft x 66.8-ft and has a nominal thickness of 45 mils.

QUIK-Stick FS is permitted to be used as prescribed in FBC Section 1507.1.1 for mechanically attached roofing coverings. Exposure on the roof deck shall be limited to a maximum 30 days.

PRODUCT APPLICATION

Min. Roof Slope: 2:12 or in accordance in with the FBC

Application: *All underlayments shall be installed in accordance with the FBC.*

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. Prior to beginning installation, the underlayment shall be unrolled and allowed to relax for a minimum of 3-5 minutes.

The underlayment shall be installed with the release backer removed and pressed firmly into place to ensure complete contact with the deck. The underlayment shall be installed with the roll length parallel to the eave, starting at the eave, and with minimum 3" side laps and minimum 6" end laps staggered min. 6-ft. from preceding course.

It is permissible to back nail the underlayment 12-inches on-center as needed (nails shall be installed perpendicular to deck with the nail heads flush to the top surface of the underlayment).

Min. Application Temperature: 40°F; *Contact the manufacturer when installing at temperatures below the minimum application temperature.*

WIND RESISTANCE

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

Underlayment System No.1 – QUIK-Stick HT only

Roof Deck: Min. 15/32-inch CDX plywood attached to wood supports spaced a maximum 24" o.c.

Underlayment: **QUIK-Stick HT** shall be fully adhered to the optionally primed plywood deck.

Maximum Design Pressure: -52.5 psf



GENERAL LIMITATIONS

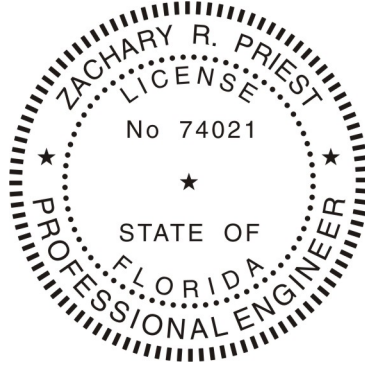
- 1) This evaluation report is not use in the HVHZ.
- 2) Fire Classification is not within the scope of this evaluation.
- 3) Installation of the evaluated product shall comply with this report, the FBC, and the manufacturer’s published application instructions. Where discrepancies exist between these sources, the more restrictive and FBC compliant installation detail shall prevail.
- 4) The roof deck shall be constructed of closely fitted plywood sheathing for new or existing construction.
- 5) The space under the deck area shall be properly ventilated in accordance with the FBC requirements.
- 6) All side lap seams shall be installed to shed water from the deck.
- 7) The underlayment may be used as described in other current FBC product approval documents.
- 8) Design wind load pressures shall be determined for components and cladding in accordance with FBC 1609.
- 9) The roof deck shall be designed by others in accordance with FBC requirements to resist the design wind load pressures for components and cladding.
- 10) *Maximum Design Pressures* for a given underlayment shall meet or exceed the design wind loads determined for the roof assembly.
- 11) All products listed in this report shall be manufactured under a quality assurance program in compliance with Rule 61G20-3.

REFERENCES

<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>	<u>Year</u>
PRI Construction Materials Technologies (TST5878)	BWR-514-02-01	ASTM D 1970	2015a
PRI Construction Materials Technologies (TST5878)	BWR-522-02-01	ASTM D 1970	2015a
PRI Construction Materials Technologies (TST5878)	BWR-533-02-01	TAS 103	1995
PRI Construction Materials Technologies (TST5878)	BWR-534-02-01	ASTM D 1970	2015a
		ASTM D 4798	2011(2016)
PRI Construction Materials Technologies (TST5878)	BWR-543-02-01	ASTM D 1970	2015a
PRI Construction Materials Technologies (TST5878)	WRMI-011-02-01	ASTM D 1970	2015a
PRI Construction Materials Technologies (TST6049)	MSA-007-02-01	UL 1897	2012
PRI Construction Materials Technologies (TST6049)	MSA-026-02-01	ASTM D 1970	2015a

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.
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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