



EVALUATION REPORT

FLORIDA BUILDING CODE 7TH EDITION (2020)

Manufacturer: CONTINENTAL MATERIALS, INC.
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Quality Assurance: Intertek Testing Services (QUA1586)

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 (TST1585)	102074565COQ-004	AC 188 ¹	2012
Intertek Testing Services (TST1585)	102074565COQ-004A	AC 188 ¹	2012
Intertek Testing Services (TST1585)	102074565COQ-007	ASTM D 226	2009
Intertek Testing Services (TST1585)	103796960COQ-003D	AC 188 ¹	2012
Intertek Testing Services (TST1585)	103796960COQ-004B	ASTM D 1970	2015a
Intertek Testing Services (CER1497)	CCRR-1045	IBC, IRC	2012
PRI Construction Materials Technologies (TST5878)	CMI-048-02-01A	ASTM D 226	2009
PRI Construction Materials Technologies (TST5878)	CMI-048-02-01B	ASTM D 226	2009
PRI Construction Materials Technologies (TST5878)	CMI-048-02-01C	ASTM D 226	2009
PRI Construction Materials Technologies (TST5878)	CMI-055-02-01	ASTM D 4533	2015
PRI Construction Materials Technologies (TST5878)	CMI-056-02-01	ASTM D 4533	2015
PRI Construction Materials Technologies (TST5878)	CMI-062-02-01	TAS 117(B)	1995

¹Determined to be equivalent to ASTM D 226 (2009), Type I and II

PRODUCT DESCRIPTION

SecureGrip PRO™	A mechanically attached, woven polypropylene underlayment (nominal weight = 1.74 lb/100ft ²) used an alternative to ASTM D 226, Type I and Type II with 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. The underlayment is available in rolls 48-inch wide by 250-ft long.
SecureGrip25™	A mechanically attached, woven polypropylene underlayment (nominal weight = 2.05 lb/100ft ²) used an alternative to ASTM D 226, Type I and Type II with 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. The underlayment is available in rolls 48-inch wide by 250-ft long.
SecureGrip™ PLUS	A mechanically attached, woven polypropylene underlayment (nominal weight = 2.46 lb/100ft ²) used an alternative to ASTM D 226, Type I and Type II with 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. The underlayment is available in rolls 48-inch wide by 250-ft long.
SecureGripMAX™	A mechanically attached, woven polypropylene underlayment (nominal weight = 3.69 lb/100ft ²) used an alternative to ASTM D 226, Type I and Type II with 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.. The underlayment is available in rolls 48-inch wide by 250-ft long.
SecureGrip™ PS MAX HT	A self-adhered, polymer-modified bitumen underlayment with a synthetic facer (nominal weight = 18.5 lb/100ft ²) used as an alternative to ASTM D 226, Type I and Type II and ASTM D 1970 with a minimum tear strength per ASTM D 1970 of 20 pounds. The underlayment is available in rolls of 36-inch wide by 72 ft long.

APPLICATION INSTRUCTIONS FOR SECUREGRIP PRO™, SECUREGRIP25™, AND SECUREGRIP™ PLUS

Deck Type:	The roof deck shall be constructed of closely fitted, solid sheathing for new or existing construction. Sheathing shall be installed in accordance with FBC requirements. New construction in the HVHZ shall be minimum 19/32-inch plywood. Roof decks shall have no more than 1/8-inch 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. Use of 1-inch diameter plastic cap nails where the ultimate design wind speed, V_{ult} , equals or exceeds 170mph is permissible with the following provisions: 1) The attachment density shall be increased by a factor of 3 for SecureGrip PRO™ , SecureGrip25™ , and SecureGrip™ PLUS 2) The attachment density shall be increased by a factor of 2 for SecureGripMAX™
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, metal roof panels and shingles, composite shingles and wood shingles and shakes

APPLICATION INSTRUCTIONS FOR SECUREGRIP™ PS MAX HT

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.

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" head laps and minimum 6" end laps in accordance with FBC Section 1518.3.

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.*

Allowable roof coverings (Non-HVHZ): Mechanically attached roof systems as prescribed in FBC Section 1507.1.1.

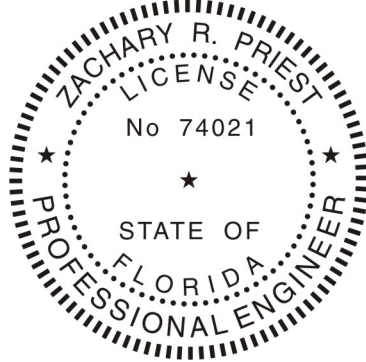
Allowable roof coverings (HVHZ): Underlayment shall be used with mechanically attached asphalt shingles, metal roof panels and shingles, composite shingles and wood shingles and shakes

LIMITATIONS

- 1) Fire Classification is not within the scope of this evaluation.
- 2) Wind uplift resistance 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) 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) All underlayments shall be installed with the roll length parallel to the eave, starting at the eave, and lapped in success courses installed up the deck in a manner that effectively sheds water from the deck.
- 7) The underlayment may be used as described in other current FBC product approval documents.
- 8) Roof coverings shall not be adhered directly to the underlayment. Roof coverings shall be mechanically fastened through the underlayment to the roof deck.
- 9) The underlayment shall not be installed over existing roof coverings.
- 10) The underlayment shall be exposed on the roof deck for a maximum 30 days unless otherwise stated.
- 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.



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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