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Business & Professional Regulation



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Search Criteria

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Code Version	2023	FL#	46488
Application Type	ALL	Product Manufacturer	ALL
Category	ALL	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL46488	New	Continental Materials Inc. Category: Roofing Subcategory: Underlayments	Intertek Testing Services NA, Inc. (604) 520-3321	Approved *

*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

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FL #
Application Type
Code Version
Application Status

FL46488
New
2023
Approved

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Comments
Archived



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Quality Assurance Representative
Address/Phone/Email

Category
Subcategory

Roofing
Underlayments

Compliance Method

Evaluation Report from a Product Evaluation Entity

Evaluation Entity
Quality Assurance Entity
Quality Assurance Contract Expiration Date
Validated By

Intertek Testing Services NA, Inc.
Intertek Testing Services NA, Inc. - QA Entity
12/31/2026
Intertek Testing Services NA, Inc.

Certificate of Independence

Referenced Standard and Year (of Standard)

Standard
ASTM D8257

Year
2020

Equivalence of Product Standards
Certified By

Sections from the Code

Product Approval Method

Method 1 Option C

Date Submitted

02/19/2024

Date Validated

02/20/2024

Date Pending FBC Approval

Date Approved

02/22/2024

Summary of Products

FL #	Model, Number or Name	Description
46488.1	CMI Synthetic Roofing Underlayments	SecureGrip SG-PRO, SG-30, SG-Plus, Craft Grade W20, X-Weather Warrior, X-Weather Warrior Pro, CMI Ranger Pro, TopShield SG-30, and SG-Max underlayments - see Evaluation Report for full description
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: See Evaluation Report for installation and conditions of use		Installation Instructions FL46488 R0 II Installation-Craft Grade W20.pdf FL46488 R0 II Installation-Ranger Pro Grade.pdf FL46488 R0 II Installation-SecureGrip SG-30 - Pro.pdf FL46488 R0 II Installation-SecureGrip SG-30.pdf FL46488 R0 II Installation-SecureGrip SG-Plus.pdf FL46488 R0 II Installation-SG-Max.pdf FL46488 R0 II Installation-TopShield SG-30.pdf FL46488 R0 II Installation-XWW P.pdf FL46488 R0 II Installation-XWW.pdf Verified By: Intertek Testing Services NA, Inc. Created by Independent Third Party: Evaluation Reports FL46488 R0 AE CCRR-0439.pdf

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Product Approval Accepts:

Issue Date: 12-13-2021

Revision Date: 11-22-2023

Renewal Date: 01-31-2024

DIVISION: 07 00 00 -THERMAL AND MOISTURE PROTECTION

Section: 07 30 05 – Roofing Felt and Underlayment

REPORT HOLDER:

Continental Materials Inc.

1614 Old York Rd,

Abington, PA 19001

1-800-247-6637

www.continentalmaterials.com

REPORT SUBJECT:

CMI SecureGrip SG-PRO, CMI SecureGrip SG-30, CMI SecureGrip SG-Plus, Craft Grade W20, X-Weather Warrior Pro, X-Weather Warrior, CMI Ranger Pro, TopShield SG-30, and CMI SG-Max™ Synthetic Roofing Underlayments

1.0 SCOPE OF EVALUATION

1.1 This Research Report addresses compliance with the following Codes:

- 2021 and 2018 *International Building Code*® (IBC)
- 2021 and 2018 *International Residential Code*® (IRC)
- 2023 and 2020 *Florida Building Code* (FBC) (including HVHZ)

1.2 The underlayments have been evaluated for the following properties (see Table 1):

- Physical properties
- Ice barrier

1.3 The underlayments have been evaluated for the following uses:

- Used in the field of the roof as an alternative to ASTM D226, Type I and Type II, underlayments specified in Chapter 15 of the IBC and Chapter 9 of the IRC.
- Underlayments may be used in areas of the roof required by IBC Section 1507 or IRC Section R905 to have an ice barrier roof underlayment, when installed as noted in Section 4.2.

- Use is limited to buildings permitted to have non-classified roofing in accordance with IBC Section 1505.5.

2.0 STATEMENT OF COMPLIANCE

CMI SecureGrip SG-PRO, CMI SecureGrip SG-30, CMI SecureGrip SG-Plus, Craft Grade W20, X-Weather Warrior Pro, X-Weather Warrior, CMI Ranger Pro, TopShield SG-30, and CMI SG-Max™ Synthetic Roofing Underlayments comply with the Codes listed in Section 1.1, for the properties stated in Section 1.2, and uses stated in Section 1.3, when installed as described in this report, including the Conditions of Use stated in Section 5.0.

3.0 DESCRIPTION

CMI SecureGrip SG-PRO is a four-layered roofing underlayment consisting of a non-woven polypropylene scrim bonded to a woven polypropylene scrim and coated on both sides. The synthetic roofing underlayment has a nominal weight of 2.0 lbs/100ft² and is available in black color. The synthetic roofing underlayment is available in roll widths up to 4 feet at varying lengths. CMI SecureGrip SG-PRO is also labeled as CMI Ranger Pro and TopShield SG-30.

CMI SecureGrip SG-30 is a four-layered roofing underlayment consisting of a non-woven polypropylene scrim bonded to a woven polypropylene scrim and coated on both sides. The synthetic roofing underlayment has a nominal weight of 2.4 lbs/100ft² and is available in grey color. The synthetic roofing underlayment is available in roll widths up to 4 feet at varying lengths.

CMI SecureGrip SG-PLUS is a four-layered roofing underlayment consisting of a non-woven polypropylene scrim bonded to a woven polypropylene scrim and coated on both sides. The synthetic roofing underlayment has a nominal weight of 2.9 lbs/100ft² and is available in grey color. The synthetic roofing underlayment is available in roll widths up to 4 feet at varying lengths.



Craft Grade W20 is a four-layered roofing underlayment consisting of a non-woven polypropylene scrim bonded to a woven polypropylene scrim and coated on both sides. The synthetic roofing underlayment has a nominal weight of 1.7 lbs/100ft². The synthetic roofing underlayment is available in roll widths up to 4 feet at varying lengths. Craft Grade W20 is also labeled as X-Weather Warrior Pro and X-Weather Warrior.

CMI SG-Max™ is a four-layered roofing underlayment consisting of a non-woven polypropylene scrim bonded to a woven polypropylene scrim and coated on both sides. The synthetic roofing underlayment has a nominal weight of 3.6 lbs/100ft². The synthetic roofing underlayment is available in roll widths up to 4 feet at varying lengths.

4.0 INSTALLATION

4.1 General: CMI SecureGrip SG-PRO, CMI SecureGrip SG-30, CMI SecureGrip SG-Plus, Craft Grade W20, X-Weather Warrior Pro, X-Weather Warrior, CMI Ranger Pro, TopShield SG-30, and CMI SG-Max™ Synthetic Roofing Underlayments must be installed in accordance with the manufacturer's published installation instructions, the applicable Code, and this Research Report. A copy of the manufacturer's instructions must be available on the jobsite during installation.

4.2 Application: The underlayments must be installed in accordance with subsections of IBC Section 1507 and IRC Section R905 applicable to the roof covering being installed. The underlayments must be laid with the print side up, with laps as required by the applicable Code, evaluation report, or manufacturer's instructions, whichever is more restrictive.

In areas of the roof required by IBC Section 1507 or IRC Section R905 to have an ice barrier, two layers of the underlayments solidly cemented together with a low solvent-based roofing cement complying with ASTM D4586 Type 1 (asbestos free), may be used provided the ice barrier extends up the roof a minimum distance of 24 in. inside the interior wall line of the building. The underlayment installed in the field of the roof must overlap the ice barrier.

The roof covering may be installed immediately following the underlayments application and the underlayment

must be covered within the time designated in the report holder's published installation instructions.

5.0 CONDITIONS OF USE

5.1 Installation must comply with this Research Report, the manufacturer's published installation instructions, and the applicable Code. In the event of a conflict, this report governs.

5.2 Installation is limited to use with approved mechanically attached roof covering systems.

5.3 Installation is limited to roof systems that do not involve hot asphalt or coal-tar pitch.

5.4 Installation is limited to roofs with slope of 2:12 (17%) or greater.

5.5 Attic ventilation must be provided in accordance with the applicable Code since there are no requirements to evaluate vapor permeability of the underlayment.

5.6 The underlayments are limited to buildings permitted to have non-classified roofing in accordance with IBC Section 1505.5, unless the underlayment is specifically recognized as a component of a classified roofing assembly in a listing approved by the Code official.

5.7 The underlayments are manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc.

6.0 SUPPORTING EVIDENCE

6.1 Data in accordance with the ICC-ES Acceptance Criteria for Roof Underlayment (AC188), dated February 2012 (editorially revised December 2015).

6.2 Reports of tests in accordance with ASTM D8257.

6.3 Intertek Listing Report "Continental Materials, Inc. – CMI Synthetic Roofing Underlayments", on the [Intertek Directory of Building Products](#).





7.0 IDENTIFICATION

The roofing underlayments are identified with the manufacturer's name, address and telephone number, the product name (CMI SecureGrip SG-PRO, CMI SecureGrip SG-30, CMI SecureGrip SG-Plus, Craft Grade W20, X-Weather Warrior Pro, X-Weather Warrior, CMI Ranger Pro, TopShield SG-30, CMI SG-Max™), the Intertek Mark as shown below, and the Code Compliance Research Report number (CCRR-0439).



8.0 OTHER CODES

8.1 Florida Building Code: CMI SecureGrip SG-PRO, CMI SecureGrip SG-30, CMI SecureGrip SG-Plus, Craft Grade W20, X-Weather Warrior Pro, X-Weather Warrior, CMI Ranger Pro, TopShield SG-30, and CMI SG-Max™ Synthetic Roofing Underlayments comply with the 2023 and 2020 *Florida Building Code - Building* and the 2023 and 2020 *Florida Building Code - Residential*, including High-velocity Hurricane Zones (HVHZ), subject to the following conditions:

- The underlayments are installed in accordance with the provisions noted in Sections 2.0 through 7.0 of this report, and Sections 1507 and 1518 for the *Florida Building Code - Building* and Section R905 of the *Florida Building Code - Residential*
- Evaluation for use with discontinuous roof tile systems is outside the scope of this report
- Intertek is an approved evaluation entity and quality assurance entity pursuant to Florida Statute 553.842 - *Product Evaluation and Approval*

9.0 CODE COMPLIANCE RESEARCH REPORT USE

9.1 Approval of building products and/or materials can only be granted by a building official having legal authority in the specific jurisdiction where approval is sought.

9.2 Code Compliance Research Reports shall not be used in any manner that implies an endorsement of the product by Intertek.

9.3 Reference to the <https://bpdirectory.intertek.com> is recommended to ascertain the current version and status of this report.

TABLE 1 - PROPERTIES EVALUATED

PROPERTY	2021 IBC SECTION ¹	2021 IRC SECTION ¹	2023 FBC - Building	2023 FBC - Residential
Physical Properties	104.11, 1506 and 1507	R104.11, R904 and R905	104.11, 1507 and 1518.2	R904 and R905
Ice Barrier	1507	R905	N/A	N/A

¹ Section numbers may be different for earlier versions of the International Codes

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intertek.com/building



CMI SecureGrip SG-30 Installation Instructions:

SecureGrip SG-30 is synthetic roof-deck protection designed and manufactured to replace asphalt saturated #15 and #30 felt in sloped roof system construction.

- SecureGrip SG-30 is considered an air, vapor and water barrier and therefore must be installed above properly ventilated attic space(s).
- All applicable building codes in your geographic area and specific to the building structure type must be followed as the product is considered a vapor barrier.
- The roof deck must be clean of debris, solid, properly fastened and free of voids or damage.
- SecureGrip SG-30 must be installed printed side up and unrolled parallel to the roof eave.
- The use of straight edge cutting knives is recommended.
- Plastic cap nails must be used when being exposed longer than 1 day and up to 3 months to secure SecureGrip SG-30 properly. The plastic cap fasteners should be a minimum of 1" in length and have caps a minimum of 1" in diameter. 1-5/8" Tin Caps with ring shank nails (listed by Dade County) are an acceptable alternative to plastic cap nails in areas where required.
- Roofing nails are acceptable when installing SecureGrip SG-30 under a sloped standing-seam metal roof installation and should be driven flush to the surface without cutting into the sheet.
- The plastic cap fastener spacing should be a minimum of 6" o.c. horizontally along the indicated fastener placement areas at the top and the bottom of the sheet, and at 12" o.c. in the center fastener placement locations on the sheet. If installation of the prepared roofing cover in the same day, use of every other anchoring location printed in the field of the underlayment is acceptable.
- If product is to be covered with asphalt shingles, stone coated metal roofing or sloped installation of standing seam metal panels within 5 day SecureGrip SG-30 can be installed with corrosive resistant 3/8" head by 1" minimum length roofing nails (ring shank recommended) .
- Top and bottom overlaps should be 4" minimum as indicated by the lay-up fastener lines printed on the sheet.
- End overlaps should be a minimum of 6" and fastened at 12 o.c., vertically along the overlaps at 2" in from the end of the top layer. For extended exposure periods, over 30 days, a minimum of 12" end overlap is required.
- The plastic cap nails should be driven flush to the surface of the SecureGrip SG-30 without cutting into the sheet.
- Repair all damage to the SecureGrip SG-30 before proceeding. For seams, joints or tears, Repairs may be made using self-stick flashing tape or the equivalent. Asphalt adhesives may also be used to seal joints, flashings and laps.
- SecureGrip SG-30 should be extended at least 12" past all hips and valleys.
- SecureGrip SG-30 installed on less than 4:12 slopes should be applied in a double coverage method, (overlapping by the normal 4" application is acceptable). Fastening can be through both layers on less than 4:12 slopes.
- For extended exposure (months), or where driving rains and/or strong winds, double the lap widths as a minimum precaution. Alternatively, fold the overlay laps to form a "j - channel" configuration before nailing; using a compatible sealant between the laps, or

using a peel and stick tape is highly recommended. For batten secured installations, do not install battens directly over any cap nails. If this occurs, remove cap nail, patch the hole, then install the cap nail outside the batten field and continue.

- Where seams and joints require a sealant or adhesive, use a high quality, low solvent , asbestos free, plastic roofing cement that meets ASTM D4586 Type 1 (Asbestos Free), Federal Spec SS-153 Type 1 (Asbestos Free) such as Karnak or equivalent. Acceptable alternatives are butyl rubber, urethane, and EPDM based caulk or tape sealants.
- Follow the ARMA (Asphalt Roofing Manufacturers Association) recommendations for installing shingle underlayments and flashings for the best roofing practices.
- Depending on roof pitch and surface condition, blocking may be required to support materials on the roof.
- SecureGrip SG-30 is not the designed for indefinite outdoor exposure. Finished roofing should be installed within 90 days.

- **FOR USE IN FLORIDA, UNDERLAYMENT MUST BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF SECTIONS 1507 AND 1518 OF THE FBC.**