Code Compliance Research Report
CCRR-0332

Issue Date: 10-28-2019
Revision Date: 05-12-2026
Renewal Date: 10-31-2026

DIVISION: 07 00 00 – THERMAL AND MOISTURE PROTECTION
Section: 07 30 05 – Roofing Felt and Underlayment

REPORT HOLDER:
Veer Plastics Private Limited
104 Sardar Patel Colony, Stadium Road
Navjivan, Ahmedabad 380014
India
91-79-27681159
www.veerplastics.com

REPORT SUBJECT:
PSU, PSU 2.0, and PSU Plus Self-Adhered Roofing Underlayments

ADDITIONAL LISTEE:
SRS Distribution Inc.
5900 S. Lake Forest Drive, Suite 400
McKinney, TX 75070-2196
469-421-0616
www.srsdistribution.com

ADDITIONAL LISTEE SUBJECT:
TopShield SG PS/Max HT Self-Adhered Roofing Underlayment

ADDITIONAL LISTEE:
Gulf Coast Supply & Manufacturing
14429 SW 2nd PL Suite G30
Newberry, FL 32669
352-498-0778
www.gulfcoastsupply.com

ADDITIONAL LISTEE SUBJECT:
GulfCoast HT PSU Self-Adhered Roofing Underlayment

ADDITIONAL LISTEE:
Cameron Ashley Building Products
979 Batesville Road, Suite A
Greer, SC 29651
www.cameronashleybp.com

ADDITIONAL LISTEE SUBJECT: Canopy SuperTack HT Self-Adhered Roofing Underlayment (PSU 2.0 Underlayment)

1.0 SCOPE OF EVALUATION

1.1 This Research Report addresses compliance with the following Codes:

- 2024, 2021, and 2018 *International Building Code®* (IBC)
- 2024, 2021, and 2018 *International Residential Code®* (IRC)
- 2024 *International Wildland-Urban Interface Code* (IWUIC)
- 2025 *California Wildland-Urban Interface Code* (CWUIC)
- 2023 and 2020 *Florida Building Code* (FBC) (See Section 8.1)
- 2025, 2022 *California Building Code* (CBC) and *California Residential Code* (CRC) (See Section 8.2)
- 2023 *City of Los Angeles Building Code* (LABC) and 2023 *City of Los Angeles Residential* Code (LARC) (See Section 8.3)

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

- Physical Properties
- Fire Classification
- Ice Barrier

1.3 The underlayments have been evaluated for the following uses (see Table 1):

- Use in the field of the roof where self-adhering roof underlayments complying with ASTM D1970 are required as specified in Chapter 15 of the IBC, and Chapter 9 of the IRC.
- Use 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 4.3.
- Use as a component of classified assemblies when installed as described Section 4.2.
- Under the 2024 IWUIC, Section 504.2, the PSU, PSU 2.0, and PSU Plus self-adhered underlayments may be used on buildings requiring Class 1 ignition-resistant construction in wildland-urban interface areas, when installed as part of an assembly described in Table 2 of this report.

2.0 STATEMENT OF COMPLIANCE

PSU, PSU 2.0, and PSU Plus Self-adhered 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

PSU underlayment is a 45-mil thick self-adhered synthetic underlayment comprised of a synthetic facer (a multilayer laminated non-woven and woven scrim), a polymer-modified bitumen adhesive and a split release liner. The underlayment has a 3 inch edge lap of adhesive, which is protected by an end-revealer. This end-revealer is removed to ensure secure adhesive adhesion in the overlapping areas. PSU is also labelled as VShield SuperTack and TopShield SG PS/Max HT self-adhered roofing underlayment.

PSU 2.0 underlayment is a 45-mil thick self-adhered synthetic underlayment comprised of a synthetic facer (a multilayer laminated non-woven and woven scrim), a polymer-modified bitumen adhesive and a split release liner. The underlayment comes with or without a 3 inch edge lap of exposed laminated scrim, to ensure secure adhesion of the overlapping areas. PSU 2.0 is also labelled as VShield SuperTack 2.0, GulfCoast HT PSU, and Canopy SuperTack HT self-adhered roofing underlayment.

PSU Plus underlayment is a 60-mil thick self-adhered synthetic underlayment comprised of a synthetic facer (a multilayer laminated non-woven and woven scrim), a polymer-modified bitumen adhesive and a split release liner. The underlayment comes with or without a 3 inch edge lap of exposed laminated scrim, to ensure secure adhesion of the overlapping areas. PSU Plus is also labeled as VShield MagnaTack self-adhered roofing underlayment.

The underlayments are available in custom colours and in rolls of 36 inches wide by 67 feet long, and 36 inches wide by 72 feet long.

4.0 INSTALLATION

4.1 General: PSU, PSU 2.0, and PSU Plus 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 Fire Classification: When installed in accordance with the assembly described in Table 2 of this report, the roofing underlayments meet Class A fire classification per ASTM E108 and UL 790. Additionally, the underlayments may be used as a component of a classified roof assembly when specifically recognized as such in a Listing approved by the Code official. The underlayments may also be used as an alternative to the underlayments specified in the Code for roof coverings permitted under the Exceptions to IBC Section 1505.2 and IRC Section R902.1, and may be used where non-classified roofing is permitted in IBC Section 1505.5.

4.3 Application: The roof deck must be in proper condition to ensure adhesion. Installation is limited to solid-sheathed decks of plywood substrates. The membrane is self-adhered to the substrate after the release liner is removed.

The membrane must be lapped a minimum of 3 inches on horizontal seams and 6 inches on vertical seams. Flashings around protrusions must be installed under the underlayment.

When used as an ice barrier, the membrane is applied from the lower edge of the roof, extending up the roof a distance of 24 inches inside the exterior wall line of the building.

The underlayments may be installed with the roof coverings specified in IBC Table 1507.1.1(1) and IRC Table R905.1.1(1), where ASTM D1970-compliant underlayments are permitted. The underlayments must be installed in accordance with IBC Table 1507.1.1(2) and IRC Table R905.1.1(2) and fastened in accordance with IBC Table 1507.1.1(3) and IRC Table R905.1.1(3).

When installed as described in Table 2 of this report, the roof assemblies comply with IWUIC Section 504.2 and may

be used on buildings requiring Class 1 ignition-resistant construction in wildland-urban interface areas.

The roof covering may be installed immediately following the underlayment 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 underlayments.

5.6 PSU, PSU 2.0, and PSU Plus underlayments are manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc.

6.0 SUPPORTING EVIDENCE

6.1 Reports of tests in accordance with ASTM D1970, ASTM E108, and UL 790.

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

6.3 Reports of tests in accordance with TAS 103-20.

6.4 Reports of tests in accordance with FRSA/TRI Florida High Wind Concrete and Clay Tile Installation Manual (7th Edition) for PSU and PSU Plus.

6.5 Intertek Listing Report "PSU, PSU 2.0, and PSU Plus Self-adhered Roofing Underlayment".

6.6 Intertek Listing Report "TopShield SG PS/Max HT Self-adhered Roofing Underlayment".

6.7 Intertek Listing Report "GulfCoast HT PSU Self-adhered Roofing Underlayment".

6.8 Intertek Listing Report "Cameron Ashley Building Products - Self-Adhered Roofing Underlayment".

7.0 IDENTIFICATION

The Self-Adhered Roofing Underlayments are identified with the manufacturer's name, address and telephone number, the product name, the Intertek Mark as shown below, and the Code Compliance Research Report number (CCRR-0332).

8.0 OTHER CODES

8.1 Florida Building Code: The PSU, PSU 2.0, and PSU Plus underlayments described in Sections 2.0 to 7.0 of this report comply with the 2023 and 2020 *Florida Building Code – Building* and the 2023 and 2020 *Florida Building Code – Residential,* subject to the following conditions:

8.1.1 For Use Outside HVHZ: The underlayments may be installed with roof coverings specified in FBC (Building) Section 1507.1.1 and FBC (Residential) Section R905.1.1, where ASTM D1970-compliant underlayments are permitted. The underlayments must be installed in accordance with FBC (Building) Section 1507 and FBC (Residential) R905.

- When installed as described in Table 2 of this report, the roof assembly meets Class A fire classification per ASTM E108 and UL 790. Additionally, the underlayment may be used as follows:

i. As a component of a classified roof assembly when specifically recognized as such in a Listing Report approved by the Code official.
ii. As an alternative to the underlayment specified in the Code for roof coverings permitted under Exceptions 1 - 4 to FBC (Building) Section 1505.2 and Exceptions 1 - 4 to FBC (Residential) Section R902.1.
iii. Where non-classified roofing is permitted in FBC (Building) *S*ection 1505.5.

- PSU, PSU 2.0, and PSU Plus underlayments have an allowable design pressure of -127.5 psf when adhered directly to 19/32 in. thick plywood sheathing.
- PSU, PSU 2.0, and PSU Plus underlayments may be installed with clay and concrete tiles outside of the HVHZ when installed in accordance with *Florida Building Code – Building*, Section 1507.3.3 and *Florida Building Code – Residential*, Section R905.3.3. The tiles may be mechanically fastened or adhered with Tile Bond™ Roof Tile adhesive, Polyset® RTA-1 adhesive, or APOC Polyset® AH-160 adhesive.

8.1.2 For Use Inside HVHZ: The underlayments may be installed with the roof coverings specified in FBC (Building) Section 1518, where ASTM D1970-compliant underlayments are permitted. The underlayment must be installed in accordance with the provisions of FBC (Building) Section 1518.

- PSU, PSU 2.0, and PSU Plus underlayments have an allowable design pressure of -127.5 psf when adhered directly to 19/32 in. thick plywood sheathing.
- PSU Plus underlayment may be installed with clay and concrete tiles inside of the HVHZ when installed in accordance with *Florida Building Code – Building*, Section 1507.3.3 and *Florida Building Code – Residential*, Section R905.3.3. The tiles may be mechanically fastened or adhered with Tile Bond™ Roof Tile adhesive, Polyset® RTA-1 adhesive, or APOC Polyset® AH-160 adhesive.
- PSU Plus underlayment may additionally be used where underlayments complying with TAS 103 are permitted in TAS 110, as referenced in *Florida Building Code – Building*, Section 1515.1.4.
- When installed as described in Table 2 of this report, the roof assembly may be used where Class A fire classification is required in FBC (Building) Section 1516.2.1. Additionally, the underlayments may be used with roof coverings permitted under the Exception to FBC (Building) Section 1516.2.1.

Intertek is an approved evaluation entity and quality assurance entity pursuant to Florida Statute 553.842 – *Product Evaluation and Approval*.

8.2 California Building Code and California Residential Code: The PSU, PSU 2.0, and PSU Plus roofing underlayments described in Section 2.0 through 7.0 of this report comply with the 2025 and 2022 *California Building Code and California Residential Code*, including wildland-urban interface areas regulated under the 2025 *California Wildland-Urban Interface Code*, Section 504.2, 2022 CBC Chapter 7A, and 2022 CRC Section R337 for use in the exterior design and construction of buildings located within the Wildland-Urban Interface Fire Area.

8.3 City of Los Angeles Building Code and City of Los Angeles Residential Code: The PSU, PSU 2.0, and PSU Plus roofing underlayments described in Section 2.0 through 7.0 of this report may be installed with the roof coverings specified in LABC Section 1507 and LARC Section R905.1.1, where ASTM D1970-compliant underlayments are permitted. The underlayments must be installed in accordance with the provisions of LABC Section 1507 and LARC Section R905.

The underlayments may be used in the exterior design and construction of buildings located within the Wildland-Urban Interface Fire Area outlined under LABC Section 705A.

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	2024 IBC SECTION	2024 IRC SECTION	2023 FBC (BUILDING)	2023 FBC (RESIDENTIAL)	2025 CALIFORNIA BUILDING CODE SECTION	2025 CALIFORNIA RESIDENTIAL CODE SECTION	2025 CWUIC SECTION	2024 IWUIC SECTION	2023 LABC SECTION (BUILDING)	2023 LARC SECTION (RESIDENTIAL)
Physical Properties	1506, 1507	R904, R905	1506, 1507.1.1, and 1515.1.4	R904, R905.1.1	1506, 1507	R904, R905	-	-	1507	R904, R905
Fire Classification	1505	R902.1	1505	R902	1505	R902.1	504.2	504.2	1505 705A	R902.1 R337.5
Ice Barrier	1507	R905	N/A	N/A	1507	R905	-	-	1507	R905

NOTE: Section numbers may be different for earlier versions of the Codes.

TABLE 2 – FIRE CLASSIFICATION

CLASSIFICATION AND SLOPE	DECK	UNDERLAYMENT	ROOF COVERING
Class A 2:12 or greater	Minimum nominal 3/8 in. thick Code compliant exterior grade plywood	A single layer of PSU, PSU 2.0, or PSU Plus roofing underlayment installed using the products peel and stick backing.	Three-tab asphalt shingles Listed per ASTM D3462 with a minimum weight of 190 pounds per 100 square feet installed per manufacturer's installation instructions

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