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ADDITIONAL COMPANY

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VEER PLASTICS PRIVATE LIMITED:

VFLASH PRO FLASHING (Bitumen adhesive based flashing)

KINGSPAN INSULATION LLC:

GREENGUARD STANDARD ASPHALT FLASHING

CSI Sections:

- 07 65 00 Flexible Flashing
- 07 65 16 Modified Bituminous Sheet Flashing
- 07 65 26 Self-Adhering Sheet Flashing

1.0 RECOGNITION

Veer Plastics VFlash Pro Flashing and Kingspan GreenGuard Standard Asphalt Flashing recognized in this report, have been evaluated for use as roof and wall flashing. The durability and weather resistance properties of the VFlash Pro Flashing and GreenGuard Standard Asphalt flashing comply with the provisions of the following codes and regulations:

- 2021, 2018, 2015, and 2012 International Building Code® (IBC)
- 2021, 2018, 2015, and 2012 International Residential Code® (IRC)

2.0 LIMITATIONS

Use of the VFlash Pro Flashing and GreenGuard Standard Asphalt Flashing recognized in this report is subject to the following limitations:

2.1 Installation shall be in accordance with this report, the manufacturers’ installation instructions, and the applicable

code. In the event of a conflict, the most restrictive shall govern.

2.2 VFlash Pro Flashing and GreenGuard Standard Asphalt Flashing shall not be installed in a manner that leaves it exposed to the weather or installed where it may be subject to direct weather exposure.

2.3 VFlash Pro Flashing and GreenGuard Standard Asphalt Flashing, when used with roof tiles, are limited to use with clay or concrete roof tiles. The roof tiles shall be specifically recognized in an approved code compliant evaluation report.

2.4 Installation of VFlash Pro Flashing and GreenGuard Standard Asphalt Flashing is permitted for use with wood, steel, aluminum, fiberglass and vinyl-framed flanged windows and doors. These products are also permitted for use on substrates such as plywood and oriented strand board that comply with the requirements of the applicable code or fiberglass mat gypsum sheathing recognized for use as an exterior wall sheathing in a nationally recognized code compliant evaluation report.

2.5 VFlash Pro Flashing and GreenGuard Standard Asphalt Flashing are limited to use with structures in accordance with the IRC and are limited to use in Type V construction in accordance with the 2012 IBC, when applicable. Under the 2012 IBC, these products are limited to use in Type V (IBC) construction and in structures constructed in accordance with the IRC. Under the 2021, 2018, and 2015 IBC, where the flashings are used with fenestration products, they are permitted to be used on buildings of all construction types.

2.6 Use of VFlash Pro Flashing and GreenGuard Standard Asphalt Flashing is limited to roof slopes of not less than 2 units vertical in 12 units horizontal (17-percent slope) and not more than 24 units vertical in 12 units horizontal (200-percent slope).

2.7 VFlash Pro Flashing and GreenGuard Standard Asphalt Flashing are limited for use with the following substrates: OSB, Plywood, PVC, Glass Matt sheathing, and Aluminum.

2.8 VFlash Pro Flashing and GreenGuard Standard Asphalt Flashing recognized in this report are manufactured in Gandhinagar, Gujarat, India.

3.0 PRO FLASHING DUCT USE

3.1 General: VFlash Pro Flashing and GreenGuard Standard Asphalt Flashing are used to prevent moisture from entering at intersections with walls and the roof plane, in accordance with Section 1503.2 of the IBC and Section R903.2 of the IRC, as applicable.

The product described in this Uniform Evaluation Service (UES) Report has been evaluated as an alternative material, design or method of construction in order to satisfy and comply with the intent of the provision of the code, as noted in this report, and for at least equivalence to that prescribed in the code in quality, strength, effectiveness, fire resistance, durability and safety, as applicable, in accordance with IBC Section 104.11. This document shall only be reproduced in its entirety.





VFlash Pro Flashing and GreenGuard Standard Asphalt Flashing are for use as flashing around wall penetrations to create an air/vapor barrier. Vflash Pro Flashing and GreenGuard Standard Asphalt Flashing are for use as flashing under concrete or clay hip and ridge roofing tiles. All products comply with Type A, Level 3 classification, for exposures up to 176°F (80°C), in accordance with AAMA 711.

3.2 Installation

3.2.1 Installation General: VFlash Pro Flashing Pro and GreenGuard Standard Asphalt Flashing are recognized for installation over the following substrates: oriented strand board (OSB), plywood, polyvinyl chloride (PVC), glass mat gypsum sheathing, and aluminum. The flashing shall be applied to clean, dry surfaces that are free of dirt, dust, frost, loose nails, and other similar protrusions. Some of the information described below for installing flashings is comparable to that described in ASTM E 2112, Method A1.

3.2.2 Installation of Flashing at Deck or Porch Attachment to Wall: Flashing may be used to provide a weatherproof seal where there is an attachment made to an exterior wall, such as the attachment of a deck or porch.

3.2.3 Installation of Flashing at Sill Plate: Flashing may be used to form a weatherproof seal at sill plate locations where they are installed between the sill plate and the foundation and over the seam between the sill plate and the foundation wall.

3.2.4 Installation of Flashing at Mounting Block and Electrical boxes: Flashing may be used to seal a standard mounting block or electrical box.

3.2.5 Inside and Outside Corners: VFlash Pro Flashing and GreenGuard Standard Asphalt Flashing are permitted for flashing the inside and outside corners of buildings. The flashing may be applied directly to sheathing prior to installation of the wall water resistive barrier or over the wall water resistive barrier.

4.0 PRO FLASHING DUCT DESCRIPTION

VFlash Pro Flashing and GreenGuard Standard Asphalt Flashing are self-adhesive flashing tape (20-30 mils thick) (10.16-15.83 mm) with a polyolefin laminated facer/film and a polymer modified bitumen-based adhesive. The flashing tape includes a release liner, preventing the product from adhesion to itself. The rolls measure 100 feet (30480 mm) in length and are available in multiple widths of 4, 6, 9, and 12 inches (102, 152., 229, 305 mm) and in custom full or partially coated widths and printed colors. VFlash Pro Flashing and GreenGuard Standard Asphalt Flashing products are applied around windows, door, and other openings.

4.1 Roll Size Availability

Width (inch)	Length (Ft.)	Area (Sq.ft.)
4	100	33
6	100	50
9	100	75
12	100	100

SI 1 inch = 25.4 mm, 1 foot= 304.8 mm

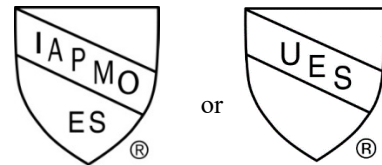
4.2 Performance

Property	VFlash Pro Flashing and GreenGuard Standard Asphalt Flashing
Nominal Width (in)	4 / 6 / 9 / 12
Backing Material	Polyolefin
Adhesive	Rubber- Modified Polymer Modified Bitumen based adhesive
Release Liner	Yes
Recommended service temp., Max. (°F)	150
Outdoor / UV Exposure, Max. (days)	30

SI 1 inch = 25.4 mm, 1 foot= 304.8 mm, 1 Degree F = 0.5556 degree C

5.0 IDENTIFICATION

VFlash Pro Flashing and GreenGuard Standard Asphalt Flashing are identified by the Veer Plastic Private Limited name and trademark, product name, and evaluation report number (ER-831). Either IAPMO Uniform Evaluation Service Mark of Conformity may also be used as shown below:



IAPMO UES ER-831

6.0 SUBSTANTIATING DATA

6.1 Data in accordance with AC148, Criteria for Flexible Flashing Materials, Approved July 2017 (Editorially revised March 2021)

6.2 AAMA 711-2013 and AAMA 711-2020 Voluntary Specification for Self-Adhering Flashing.

6.3 Literature and public installation instructions from the manufacturer.

6.4 Test reports are from laboratories in compliance with ISO/IEC 17025.



7.0 STATEMENT OF RECOGNITION

This evaluation report describes the results of research completed by IAPMO Uniform Evaluation Service on VFlash Pro Flashing and GreenGuard Standard Asphalt Flashing to assess conformance to the codes shown in Section 1.0 of this report and serves as documentation of the product certification. Products recognized in this report are manufactured at locations noted in Section 2.8 under a quality control program with periodic inspections under the supervision of IAPMO UES.

For additional information about this evaluation report please visit www.uniform-es.org or email us at info@uniform-es.org