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## GREEN GUARD VW WOVEN PERFORATED HOUSEWRAP

### CSI Section:

07 25 00 Weather Barriers

### 1.0 RECOGNITION

Kingspan Insulation’s Green Guard VW woven perforated housewrap recognized in this report has been evaluated for use as a water-resistive barrier (WRB) on the exterior side of exterior walls of buildings of Type V construction and non-fire-resistance-rated construction permitted under the IRC. The WRB complies with ASTM E2556, Type I as required in the 2015 IBC and is equivalent to 60-minute Grade D paper as described in Section 2510.6 of the 2012, 2009, and 2006 IBC; Section R703.7.3 of the 2015 IRC and Section R703.6.3 of the 2012, 2009, and 2006 IRC. The composition, durability and water resistance properties of Green Guard VW were evaluated for compliance with the following codes.

- 2015, 2012, 2009, and 2006 International Building Code® (IBC)
- 2015, 2012, 2009, and 2006 International Residential Code® (IRC)

### 2.0 LIMITATIONS

Use of Green Guard VW recognized in this report is subject to the following limitations:

**2.1** Green Guard VW woven perforated housewrap shall be covered with an approved exterior wall covering complying with the applicable code and in accordance with the wall covering manufacturer’s installation instructions. Where conflicts occur, the more restrictive shall govern.

**2.2** Kingspan Insulation’s published installation instructions and this report shall be available and strictly adhered to at all

times on the jobsite during installation. Where conflicts occur, the more restrictive governs.

### 3.0 PRODUCT USE

**3.1 General.** Green Guard VW may be used as a water-resistive barrier on the exterior side of exterior walls of buildings of Type V construction and non-fire-resistance-rated construction permitted under the IRC. The water-resistive barrier may be used on buildings of Type I, II, III, or IV construction that are not greater than 40 feet (12,192 mm) in height above grade plane, in compliance with Section 1403.5 of the 2015 and 2012 IBC.

**3.2 Installation:** Green Guard VW housewrap shall be installed on the outside of the insulation cavity, preferably over an approved exterior sheathing board or insulation, with the printed side installed facing the outside.

The housewrap can be fastened with either corrosion resistant nails or staples. Nails shall be large head nails or nails with a minimum 1-inch-diameter (25.4 mm) plastic washer head and of sufficient length to penetrate the stud framing a minimum of 1-inch (25.4 mm). Staples shall be wide-crown, 1-inch-long (25.4-mm-long) staples. Fasteners shall be spaced at 6 inches (152 mm) at the perimeter of the wall and around the door and window openings, and spaced 12 inches to 18 inches (305 mm to 457 mm) along vertical framing members. Material higher on the wall shall overlap materials lower on the wall. Horizontal and vertical overlaps shall be at least 6 inches (152 mm) and extend over the foundation by at least 2 inches (51 mm).

Two layers of Green Guard VW housewrap shall be applied over wood sheathing in accordance with Section 2510.6 of the IBC when used for exterior plaster applications.

### 4.0 PRODUCT DESCRIPTION

Green Guard VW housewrap consists of a polypropylene woven core and a polyolefin coating on the exterior side. The housewrap is 4.0 mils in thickness and available in rolls with widths of 9 and 10 feet (2.7 m and 3.0 m), with both widths available in lengths of 100 and 150 feet (30.5 m to 45.7 m). Green Guard VW weighs approximately 2.0 oz/yd<sup>2</sup> (67.5 g/m<sup>2</sup>).

### 5.0 IDENTIFICATION

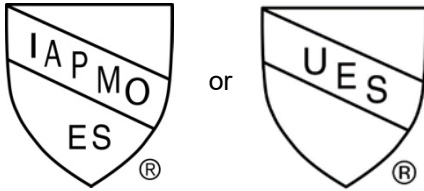
Green Guard VW woven perforated house wrap is identified by Kingspan Insulation’s or Veer Plastics Pvt. Ltd.’s name and trademark, product name, and evaluation report number (ER-548).

*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.*





Either IAPMO UES Mark of Conformity may also be used as shown below:



## IAPMO UES ER-548

### 6.0 SUBSTANTIATING DATA

Data in accordance with the ICC-ES Acceptance Criteria for Water-resistive Barriers (AC38), dated August 2016, editorially revised June 2019. Test reports are from laboratories in compliance with ISO/IEC 17025.

### 7.0 STATEMENT OF RECOGNITION

This evaluation report describes the results of research carried out by IAPMO Uniform Evaluation Service on Kingspan Insulation's Green Guard VW woven perforated housewrap to assess conformance to the codes shown in Section 1.0 of this report and serves as documentation of the product certification.

For additional information about this evaluation report please visit [www.uniform-es.org](http://www.uniform-es.org) or email us at [info@uniform-es.org](mailto:info@uniform-es.org)