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ICC-ES Report

ESR-3774

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Reissued 09/2016

This report is subject to renewal 09/2017.

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
SECTION: 07 25 00—WATER-RESISTIVE BARRIERS/WEATHER BARRIERS

REPORT HOLDER:

HOMEGUARD BUILDING PRODUCTS, INC.

**5430 SHAWLAND ROAD
JACKSONVILLE, FLORIDA 32254**

EVALUATION SUBJECT:

HOMEGUARD HOUSEWRAP AND HOMEGUARD ULTRA WATER-RESISTIVE BARRIERS



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**DIVISION: 07 00 00—THERMAL AND MOISTURE
PROTECTION****Section: 07 25 00—Water-Resistive Barriers/Weather
Barriers****REPORT HOLDER:****HOMEGUARD BUILDING PRODUCTS, INC.**
5430 SHAWLAND ROAD
JACKSONVILLE, FLORIDA 32254
(904) 240-1382
www.homeguardhousewrap.com**EVALUATION SUBJECT:****HOMEGUARD HOUSEWRAP AND HOMEGUARD ULTRA
WATER-RESISTIVE BARRIERS****1.0 EVALUATION SCOPE****1.1 Compliance with the following codes:**

- 2012 and 2009 *International Building Code*® (IBC)
- 2012 and 2009 *International Residential Code*® (IRC)

Properties evaluated:

- Physical properties
- Surface-burning characteristics

**1.2 Evaluation to the following green code(s) and/or
standards:**

- 2013 California Green Building Standards Code (CALGreen), Title 24, Part 11
- 2012 and 2008 ICC 700 *National Green Building Standard*™ (ICC 700-2012 and ICC 700-2008)

Attributes verified:

- See Section 3.1

2.0 USES

Homeguard Housewrap and Homeguard Ultra are used as alternatives to the water-resistive barriers specified in IBC Section 1404.2 and IRC Section R703.2. Homeguard Housewrap and Homeguard Ultra are equivalent to Grade D building paper as described in the exception to IBC Section 2510.6 and IRC Section R703.6.3.

The water-resistive barriers may be used on the exterior side of exterior walls of buildings in all types of construction, except that under the 2012 IBC, the water-resistive barriers may be used on buildings of Type I, II,

III or IV construction that are not greater than 40 feet (12.2 m) in height above grade. The water-resistive barriers may also be used on construction permitted under the IRC.

3.0 DESCRIPTION**3.1 General:**

Homeguard Housewrap is a woven, perforated, polyolefin fabric with a polymeric coating on one side. It is produced in rolls of varying sizes and has a nominal weight of 1.92 ounces per square yard. Homeguard Ultra is a woven, perforated, polyolefin fabric with a polymeric coating on both sides. It is produced in rolls of varying sizes and has a nominal weight of 2.21 ounces per square yard.

The attributes of the water-resistive barriers have been verified as conforming to the provisions of (i) CALGreen Section 5.407.1 and (ii) ICC 700-2012 Section 602.1.8, 11.602.1.8 and 12.5.602.1.8; and (iii) ICC 700-2008 Section 602.9 for water-resistive barriers. Note that decisions on compliance for those areas rest with the user of this report. The user is advised of the project-specific provisions that may be contingent upon meeting specific conditions, and the verification of those conditions is outside the scope of this report. These codes or standards often provide supplemental information as guidance.

3.2 Surface-burning Characteristics:

Homeguard Housewrap and Homeguard Ultra have a flame-spread index of 25 or less and a smoke-developed index of 450 or less, when tested in accordance with ASTM E84.

4.0 INSTALLATION

The Homeguard Housewrap and Homeguard Ultra water-resistive barriers must be installed on the exterior side of exterior walls over exterior sheathing or insulation. The water-resistive barriers are installed after wall framing is completed and before windows and doors are installed. The manufacturer's published installation instructions and this report must be strictly adhered to. If requested by the code official, a copy of this report is to be available at the jobsite during installation.

The roll is placed approximately 6 inches (152 mm) from the starting corner and is fastened to the sheathing with corrosion-resistant nails having plastic washer heads or staples spaced at a minimum of 6 inches (152 mm) vertically; and is then unrolled around the building and fastened with nails or staples at a maximum of 24 inches (609 mm) on center along studs and spaced between 16

and 24 inches (406 to 609 mm) on center along top and bottom sill plates. The printed sides of the barriers are installed facing the outside. The water-resistive barriers must be installed horizontally on vertical walls, with the upper layer lapped over the lower layer. A minimum of 6 inches (152 mm) of overlap must be provided for vertical seams and 2 inches (51 mm) for horizontal seams, except where the published installation instructions specify a greater overlap. When use is over wood-based sheathing in exterior plaster applications, the Grade D water-resistive barrier must be applied over sheathing in accordance with IBC Section 2510.6 or IRC Section R703.6.3, as applicable. For cementitious coatings or exterior insulation and finish systems, application of the barrier must be in accordance with the evaluation report on the exterior coating. When the water-resistive barriers are installed over nonstructural sheathing products or foam insulation boards, fasteners must penetrate the framing members at least $\frac{1}{2}$ inch (13 mm) and be spaced as noted above.

5.0 CONDITIONS OF USE

The Homeguard Housewrap and Homeguard Ultra water-resistive barriers described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 The products must be installed in accordance with the manufacturer's published instructions, the requirements of the applicable code and this report. In the event of a conflict between this report and the

manufacturer's published installation instructions, this report governs.

- 5.2 The products must be covered in accordance with the manufacturer's installation instructions with an approved exterior wall covering complying with the applicable code.

6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with the ICC-ES Acceptance Criteria for Water-resistive Barriers (AC38), dated January 2013.
- 6.2 Reports of surface-burning characteristics testing in accordance with ASTM E84.

7.0 IDENTIFICATION

The Homeguard Housewrap and Homeguard Ultra water-resistive barriers are identified by a label on each roll of membrane, and by printing on the product at regular intervals, that includes the report holder's name (Homeguard Building Products, Inc.) and address, the product name, and the evaluation report number (ESR-3774).