DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 25 00—Water-Resistive Barriers/Weather Barriers

REPORT HOLDER:
FIBERWEB, INC.

EVALUATION SUBJECT:
SURROUND™ HOUSEWRAP B, W AND G

1.0 EVALUATION SCOPE

1.1 Compliance with the following codes:
- 2009 International Residential Code® (2009 IRC)
- 2006 International Residential Code® (2006 IRC)
- 2013 Abu Dhabi International Building Code (ADIBC)†

†The ADIBC is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

Property evaluated:
Water resistance

1.2 Evaluation to the following green code(s) and/or standards:
- 2019 California Green Building Standards Code (CALGreen), Title 24, Part 11

Attributes verified:
See Section 3.0

2.0 USES

Surround™ Housewrap B, W and G are used as water-resistive barriers on the exterior side of exterior walls of buildings of Type V-B construction and construction permitted under the IRC. The Surround™ Housewrap B and Surround™ Housewrap W are also equivalent to Grade D paper as described in IBC Section 2510.6 and IRC Section R703.6.3.

3.0 DESCRIPTION

Surround™ Housewrap B, W and G are nonwoven, perforated polyolefin material with a basis weight of 0.22 ounce per square foot (72 g/m²) and are produced in rolls of varying sizes. The only difference between the products is color. Surround™ Housewrap B is black, Surround™ Housewrap W is white and Surround™ Housewrap G is gray.

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 700-2015 Section 602.1.8, 11.602.1.8 and 12.6.602.1.8; (iii) ICC 700-2012 Section 602.1.8, 11.602.1.8 and 12.5.602.1.8; and (iv) 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.

4.0 INSTALLATION

Surround™ Housewrap is installed after wall framing is completed and before windows and doors are installed, except in locations where the authority having jurisdiction requires the wrap to be installed afterwards. The roll is placed a minimum of 6 inches (152 mm) from the starting corner and fastened to the sheathing with corrosion-resistant nails having minimum 1-inch-diameter (25.4 mm) plastic washer heads or cap heads, spaced at a minimum of 16 inches (406 mm) vertically; and is then unrolled around the building and fastened with nails or staples spaced between 16 and 24 inches (406 to 610 mm) on center at top and bottom sill plates and at framing members. The printed side is installed facing the outside. A minimum of 6 inches (102 mm) of overlap must be provided for vertical seams and 2 inches (152 mm) for horizontal seams, except where the manufacturer’s installation instructions specify a greater overlap dimension. When use is over wood-based sheathing in exterior plaster applications, the product must be applied over sheathing in accordance with IBC Section 2510.6 or IRC Section R703.6.3. For cementitious coatings or exterior insulation and finish systems, application must be in accordance with the evaluation report on the exterior coating.

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 must be available at the jobsite during installation. In the event of a conflict between this report and the manufacturer’s published installation instructions, this report governs.

5.0 CONDITIONS OF USE

The Surround™ Housewrap membranes 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 condition that the membrane is limited to use on buildings of Type V-B construction and construction permitted by the IRC.

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Water-resistive Barriers (AC38), dated October 2009.

7.0 IDENTIFICATION

7.1 The Surround™ Housewraps described in this report are identified by a label on the container of each roll of membrane and by printing on the product, bearing the report holder’s name (Fiberweb), address, and telephone number; the manufacturing location (Old Hickory, Tennessee); the product name; and the evaluation report number (ESR-2416).

7.2 The report holder’s contact information is the following:

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