1.0 EVALUATION SCOPE

1.1 Compliance with the following codes:


Properties evaluated:

- Physical properties
- Surface-burning characteristics
- Air leakage

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

- 2016 California Green Building Standards Code (CALGreen), Title 24, Part 11
- 2015 and 2012 *International Green Construction Code*® (IgCC)

Attributes verified:

- See Section 3.0

2.0 USES

Primewrap Housewrap and is used as water-resistive barriers on the exterior side of exterior walls of buildings of all construction types under the IBC and the IRC. Primewrap Housewrap are alternatives to the water-resistive barriers required in IBC Section 1404.2 and IRC Section R703.2. The products are considered equivalent to a Grade D paper in accordance with IBC Section 2510.6 and 2015 IRC Section R703.7.3 (2012, 2009 and 2006 IRC Section R703.6.3). The barriers have a 60-minute water-resistant rating.

3.0 DESCRIPTION

Primewrap Housewrap is cross-woven, perforated, coated polyethylene fabrics. They have a nominal thickness of 5 mils [0.005 inch (0.13 mm)] and a basis weight of 2.6 ounces per square yard (88 g/m²). The membranes are available in rolls of varying sizes.

The Primewrap Housewrap has a flame-spread index of 25 or less and a maximum smoke-developed index of 450 or less when tested in accordance with ASTM E84.

The sheet materials have an air leakage rate not exceeding 0.02L/s/m² at 75Pa (0.004 cfm/ft² at 1.57 psf) when used as an air barrier under IRC Section N1102.4.1 and 2015 IECC Section C402.4 or R402.4 (2012 IECC Section C402.5 or R402.4, 2009 and 2006 IECC Section 402.4 or 502.4).

The attributes of the water-resistive barriers have been verified as conforming to the requirements of (i) 2016 CALGreen Section 5.407.1 for water-resistive barriers and Section A4.407.5 for air barriers; (ii) 2015 and 2012 IgCC Section 605.1.2.1 for air barriers; (iii) 2014 ASHRAE 189.1 Section 7.3.1.1 and 2011 ASHRAE 189.1 Section 7.4.2.9 for air barriers; (iv) ICC 700-2015 and ICC 700-2012, Section 602.1.8 and 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

4.1 General:

The manufacturer's published installation instructions and this report are to be strictly adhered to, and a copy of the instructions must be available at all times on the jobsite during installation.

4.2 Water-resistive Barrier

Primewrap is installed after wall framing is completed and before windows and doors are installed. The roll is placed approximately 6 inches (152 mm) from the starting corner and fastened to framing members or sheathing using corrosion resistant staples or roofing nails; and is then
unrolled around the building and fastened with nails or staples spaced at a maximum of 24 inches (610 mm) on center along studs and 8 inches (203 mm) on center along top and bottom plates. The printed side is installed facing the outside. The membrane is lapped a minimum of 6 inches (152 mm) for vertical seams and 2 inches (51 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, two layers of the membrane must be applied over sheathing in accordance with Section 2510.6 of the IBC or IRC Section 703.6.3 or installation must be in accordance with the exception to IBC Section 2510.6 or 2015 IRC Section R703.7.3 (2012, 2009 and 2006 IRC Section R703.6.3). For cementsitious coatings or exterior insulation and finish systems, application must be in accordance with the evaluation report on the exterior coating.

4.3 Air Barrier Material

When used as an air barrier, the membranes must be installed in accordance with the manufacturer’s installation instructions and this report.

5.0 CONDITIONS OF USE

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

5.1 Installation is in accordance with the applicable code, this report and the manufacturer’s published installation instructions. In the event of a conflict between this report and the manufacturer’s published installation instructions, the most restrictive governs.

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

5.3 This report is based on air leakage rates for the products as an air barrier material only. The design and evaluation of the air barrier assembly of which PrimeWrap is a component is outside the scope of this report.

5.4 Under the 2015 and 2012 IBC, installation on exterior walls on buildings of Type I, II, III or IV construction is limited to buildings that are not greater than 40 feet in height above grade plane.

6.0 EVIDENCE SUBMITTED

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

6.2 Report of tests in accordance with ASTM E84 (UL 723).

6.3 Report of tests in accordance with ASTM E2178.

7.0 IDENTIFICATION

7.1 The water-resistive barriers described in this report must be identified by a label on each roll of product with the company name (CS Fabric International Corporation) and, address, the product name, and the evaluation report number (ESR-2496).

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

CS FABRIC INTERNATIONAL CORPORATION
10 BAYVIEW AVENUE
LAWRENCE, NEW YORK 11559
(516) 239-6886, (800) 874-8296
www.csfabric.com
1.0 REPORT PURPOSE AND SCOPE

Purpose:
The purpose of this evaluation report supplement is to indicate that Primewrap Housewrap, recognized in ICC-ES main evaluation report ESR-2496, has also been evaluated for compliance with the code(s) noted below.

Applicable code edition(s):
- 2016 California Building Code (CBC)
- 2016 California Residential Code (CRC)

For evaluation of applicable chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) and Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

2.0 CONCLUSIONS

2.1 CBC:
The Primewrap Housewrap, described in Sections 2.0 through 7.0 of the main evaluation report ESR-2496, comply with CBC Chapter 14, provided the design and installation are in accordance with the 2015 International Building Code® (IBC) provisions noted in the main report and the additional requirements of the CBC.

The products have not been evaluated under Chapter 7A for use in the exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area.

2.1.1 OSHPD:
The applicable OSHPD Sections of the CBC are beyond the scope of this supplement.

2.1.2 DSA:
The applicable DSA Sections of the CBC are beyond the scope of this supplement.

2.2 CRC:
The Primewrap Housewrap, described in Sections 2.0 through 7.0 of the main evaluation report ESR-2496, comply with CRC Chapter 7, provided the design and installation are in accordance with the 2015 International Residential Code® (IRC) provisions noted in the main report and the applicable provisions of the CRC.

The products have not been evaluated under CRC Section R337 for use in the exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area.

The products recognized in this supplement have not been evaluated for compliance with the International Wildland–Urban Interface Code®.

This supplement expires concurrently with the evaluation report, reissued October 2019.