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ESR-3468

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Reissued 05/2016
This report is subject to renewal 05/2017.

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

REPORT HOLDER:

INSULATION SOLUTIONS INC.

**401 TRUCK HAVEN ROAD
EAST PEORIA, ILLINOIS 61611**

EVALUATION SUBJECT:

WRAPTOR WEATHER RESISTIVE BARRIER



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ICC-ES Evaluation Report**ESR-3468**

Reissued May 2016

This report is subject to renewal May 2017.www.icc-es.org | (800) 423-6587 | (562) 699-0543*A Subsidiary of the International Code Council®***DIVISION: 07 00 00—THERMAL AND MOISTURE
PROTECTION****Section: 07 25 00—Water-Resistive Barriers/Weather
Barriers****REPORT HOLDER:****INSULATION SOLUTIONS INC.
401 TRUCK HAVEN ROAD
EAST PEORIA, ILLINOIS 61611
(309) 698-0062
www.insulationsolutions.com****EVALUATION SUBJECT:****WRAPTOR WEATHER RESISTIVE BARRIER****1.0 EVALUATION SCOPE****1.1 Compliance with the following codes:**

- 2009 *International Building Code*® (IBC)
- 2009 *International Residential Code*® (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:**

- 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 3.0

2.0 USES

Wraprot Weather Resistive Barrier is used as a water-resistive barrier on the exterior side of exterior walls of buildings of Type V-B construction, and of non-fire-resistance-rated construction permitted under the IRC. The Wraprot Weather Resistive Barrier is an alternative to the water-resistive barrier specified in IBC Section 1404.2 and IRC Section R703.2. The product is considered equivalent to 60-minute Grade D paper as described in IBC Section 2510.6 and IRC Section R703.6.3.

3.0 DESCRIPTION

Wraprot Weather Resistive Barrier consists of a perforated, microporous, woven polyolefin fabric, with an additional polyolefin coating on the exterior side. The product is 0.004 inch thick (0.11mm) and is available in rolls with widths ranging from 3 feet to 10 feet (0.92 m to 3.05 m) and in lengths ranging from 30 feet to 195 feet (9.1 m to 59.4 m).

The attributes of the water-resistive barrier 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.

4.0 INSTALLATION

The 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 published installation instructions, this report governs.

Wraprot Weather Resistive Barrier must be installed after wall framing is completed and before windows and doors are installed. The roll must be 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 maximum of 16 inches (406 mm) on center, or corrosion-resistant staples with minimum 1-inch (25.4 mm) crowns, spaced a maximum of 12 inches (305 mm) on center; and must then be unrolled around the building and fastened with nails spaced at a maximum of 16 inches (406 mm) on center or staples spaced a maximum of 12 inches (305 mm) on center. The printed side of the product must be installed facing the outside. A minimum of 8 inches (203 mm) of overlap must be provided for vertical seams and 4 inches (102 mm) for horizontal seams, except where the manufacturer's published installation instructions specify a greater overlap. When used over wood-based sheathing in exterior plaster applications, the product must be applied over the sheathing in accordance with IBC Section 2510.6 or IRC Section R703.6.3, using two layers of the product or using one layer together with an intervening, substantially non-water-absorbing layer or drainage space. For cementitious

coatings or exterior insulation and finish systems, application must be in accordance with the evaluation report on the exterior coating.

5.0 CONDITIONS OF USE

The Wraptor Weather Resistive Barrier described in this report complies 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** The published installation instructions and this report must be strictly adhered to. In the event of a conflict between this report and the published installation instructions, this report governs.
- 5.2** The product must be covered in accordance with the published installation instructions with an approved exterior wall covering complying with the applicable code.

6.0 EVIDENCE SUBMITTED

Data in accordance with ICC-ES Acceptance Criteria for Water-resistive Barriers (AC308), dated June 2011.

7.0 IDENTIFICATION

The Wraptor Weather Resistive Barrier is identified by a label on the container, and by printing at regular intervals on the product, that includes the report holder's name (Insulation Solutions Inc.), the manufacturing location, the product name (Wraptor Weather Resistive Barrier), and the evaluation report number (ESR-3468).