

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 25 00—Water-Resistive Barriers/Weather Barriers
Section: 07 27 00—Air Barriers

REPORT HOLDER:

ISI BUILDING PRODUCTS

EVALUATION SUBJECT:

WRAPTOR HP BUILDING WRAP

1.0 EVALUATION SCOPE

1.1 Compliance with the following codes:

- 2018, 2015, 2012 *International Building Code*® (IBC)
- 2018, 2015, 2012 *International Residential Code*® (IRC)
- 2018, 2015, 2012 *International Energy Conservation Code*® (IECC)

Properties evaluated:

- Physical properties
- Water resistance
- Surface-burning characteristics
- Air Leakage
- Exterior Walls of Type I, II, III and IV Construction

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

- 2015, 2012 and 2008 ICC 700 *National Green Building Standard*™ (ICC 700-2015, ICC 700-2012 and ICC 700-2008)

Attribute verified:

- See Section 3.0

2.0 USES

WrapTOR HP Building Wrap is used as a water-resistive barrier on the exterior side of exterior walls of buildings of all construction types under the IBC and construction permitted under the IRC.

Under the 2018 and 2015 IBC, the water-resistive barrier may be used on buildings of Types I, II, III or IV construction that are not greater than 40 feet (12.2 m) in height above grade plane in accordance with 2018 IBC Section 1402.5 [2015 IBC Section 1403.5], except as permitted under Exception 1 of Section 1402.5 of the 2018

IBC [Section 1403.5 of the 2015 IBC]. Under the 2012 IBC, WrapTOR HP Building Wrap may be used on buildings of Type I, II, III and IV construction that are not greater than 40 feet (12.2 m) in height above grade in accordance with 2012 IBC Section 1403.5.

The water-resistive barrier complies with ASTM E2556, Type II in accordance with the exception to 2018 and 2015 IBC Section 2510.6 and is equivalent to 60-minute Grade D building paper as described in 2012, 2009 and 2006 IBC Section 2510.6 and 2018 and 2015 IRC Section R703.7.3 (2012, 2009 and 2006 IRC Section R703.6.3).

WrapTOR HP Building Wrap may also be used as air barrier materials under IRC Section N1102.4.1 and 2018 and 2015 IECC Sections C402.5 and R402.4 [2012 IECC Sections C402.4 and R402.4 (2009 and 2006 IECC Sections 402.4 and 502.4)].

3.0 DESCRIPTION

3.1 General:

WrapTOR HP Building Wrap is nonwoven polypropylene material with a nominal thickness of 17 mils [0.017 inches (0.4 mm)] and a basis weight of 2.76 ounces per square yard (93.5 g/m²). The building wrap is produced in rolls up to 120 inches (3048 mm) wide.

The attribute of the water-resistive barrier has 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.

3.2 Surface-burning Characteristics:

WrapTOR HP Building Wrap has a flame-spread index of less than 25 and a smoke-developed index of less than 450 when tested in accordance with ASTM E84.

3.3 Air Barriers:

WrapTOR HP Building Wrap described in this report has an air leakage rate not exceeding 0.02 L/s/m² at 75 Pa [0.004 cfm/ft² at 0.3 w.g. (1.57 psf)] when used as an air barrier material under IRC Section N1102.4.1 and 2018 and 2015 IECC Sections C402.5 and R402.4 [2012 IECC Sections C402.4 and R402.4 (2009 and 2006 IECC Sections 402.4 and 502.4)]

4.0 INSTALLATION

When installed as a water-resistive barrier or an air barrier, 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.

The water-resistive barrier 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 with corrosion-resistant capped nails or staples spaced at a maximum of 6 inches (152 mm) on center; and is then unrolled around the building and fastened with capped nails or capped staples spaced at a maximum of 32 inches (813 mm) on center. The printed side of the water-resistive barrier is installed facing the outside. A minimum of 6 inches (152 mm) of overlap is provided for vertical seams and 4 inches (102 mm) for horizontal seams, except where the manufacturer's published installation instructions specify a greater overlap dimension.

When use is over wood-based sheathing in exterior plaster applications, two layers of product are applied over sheathing in accordance with IBC Section 2510.6 or 2018 and 2015 IRC Section R703.7.3 (2012, 2009 and 2006 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.

5.0 CONDITIONS OF USE

The water-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 Installation must comply with this report, the manufacturer's published installation instructions and the applicable code. In the event of conflict between the manufacturer's published installation instructions and this report, this report governs.
- 5.2 Wraaptor HP Building Wrap must be covered by an exterior wall finish complying with the requirements of the applicable code.
- 5.3 If requested by the code official, a copy of this report must be available at the jobsite during installation.
- 5.4 This report is based on air leakage rates for the product as an air barrier material only. The design and evaluation of the air barrier assembly, of which this product is a component, is outside the scope of this report.
- 5.5 Wraaptor HP Building Wrap is produced under a quality control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with the ICC-ES Acceptance Criteria for Water-resistive Barriers (AC38), dated August 2016 (Editorially revised April 2018).
- 6.2 Report of testing in accordance with ASTM E84.
- 6.3 Report of testing in accordance with ASTM E2178

7.0 IDENTIFICATION

- 7.1 The water-resistive barrier must be identified by a label on each roll of membrane, bearing the name of one of the companies listed in this report, the manufacturing location, the product name and the evaluation report number (ESR-4661).
- 7.2 The report holder's contact information is the following:

ISI BUILDING PRODUCTS
401 TRUCK HAVEN ROAD
EAST PEORIA, ILLINOIS 61611
(309) 698-0062
www.isibp.com

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 25 00—Water-Resistive Barriers/Weather Barriers
Section: 07 27 00—Air Barriers

REPORT HOLDER:

ISI BUILDING PRODUCTS

EVALUATION SUBJECT:

WRAPTOR HP BUILDING WRAP

1.0 REPORT PURPOSE AND SCOPE**Purpose:**

The purpose of this evaluation report supplement is to indicate that Wraaptor HP Building Wrap, recognized in ICC-ES master evaluation report ESR-4661, has also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2017 *Florida Building Code—Building*
- 2017 *Florida Building Code—Residential*

2.0 CONCLUSIONS

The Wraaptor HP Building Wrap, described in Sections 2.0 through 7.0 of the master evaluation report ESR-4661, complies with the *Florida Building Code—Building* and *Florida Building Code—Residential*, provided the design and installation are in accordance with the 2015 *International Building Code*® provisions noted in the master report.

Use of the Wraaptor HP Building Wrap for compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Building* and *Florida Building Code—Residential* has not been evaluated and is outside the scope of this supplemental report.

For products falling under Florida Rule 9N-3, verification that the report holder's quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the evaluation report, issued August 2020.