



ICC
EVALUATION
SERVICE

In Cooperation with



Most Widely Accepted and Trusted

ICC-ES Evaluation Report

ESR-3641

ICC-ES | (800) 423-6587 | (562) 699-0543 | www.icc-es.org

Reissued 05/2019

This report is subject to renewal 05/2020.

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:

KIMBERLY-CLARK CORPORATION

EVALUATION SUBJECT:

KIMBERLY-CLARK BLOCK-IT* HOUSE WRAP



“2014 Recipient of Prestigious Western States Seismic Policy Council (WSSPC) Award in Excellence”



A Subsidiary of

ICC-ES Evaluation Reports are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by ICC Evaluation Service, LLC, express or implied, as to any finding or other matter in this report, or as to any product covered by the report.



Copyright © 2019 ICC Evaluation Service, LLC. All rights reserved.

ICC-ES Evaluation Report

ESR-3641

Reissued May 2019

This report is subject to renewal May 2020.

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

Section 07 27 00—Air Barriers

REPORT HOLDER:

KIMBERLY-CLARK CORPORATION

EVALUATION SUBJECT:

KIMBERLY-CLARK BLOCK-IT* HOUSE WRAP

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2015, 2012, 2009 and 2006 *International Building Code*® (IBC)
- 2015, 2012, 2009 and 2006 *International Residential Code*® (IRC)
- 2015, 2012, 2009 and 2006 *International Energy Conservation Code*® (IECC)
- 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.

Properties evaluated:

- Water resistance
- Surface-burning characteristics
- Air barrier

2.0 USES

Kimberly-Clark BLOCK-IT* House Wrap is used as a water-resistive barrier on the exterior side of exterior walls of buildings of any construction type under the IBC and in construction permitted under the IRC. Under the 2015 and 2012 IBC, the water-resistive barrier 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 2015 and 2012 IBC Section 1403.5, except as permitted in Exception 1 of Section 1403.5 of the 2015 IBC. It is equivalent to Grade D paper as described in 2012 and 2009 IBC Section 2510.6 and 2015 IRC Section R703.7.3 [2012 and 2009 IRC Section R703.6.3], with a 60-minute water-resistance rating.

Kimberly-Clark BLOCK-IT* House Wrap may be used as an air barrier material under IRC Section N1102.4.1 and 2015 IECC Sections C402.5 and R402.4 [2012 IECC Section C402.4 and R402.4 {2009 IECC Sections 402.4 and 502.4}].

3.0 DESCRIPTION

Kimberly-Clark BLOCK-IT* House Wrap comprises a spunbond polypropylene fabric and non-perforated breathable barrier layer, including stabilizing agents for ultraviolet light and thermal cycling. The product has been embossed for drainage efficiency. The finished product is produced in rolls of varying sizes.

Kimberly-Clark BLOCK-IT* House Wrap has a flame spread index of 25 or less and a smoke-developed index of 450 or less, when tested in accordance with ASTM E84.

Kimberly-Clark BLOCK-IT* House Wrap 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 2015 IECC Sections C402.5 and R402.4 [2012 IECC Section C402.4 and R402.4 {2009 IECC Sections 402.4 or 502}].

4.0 INSTALLATION

The Kimberly-Clark BLOCK-IT* House Wrap water-resistive barrier described in this report is installed after wall framing is completed and before or after windows and doors are installed. The roll is placed approximately 6 inches (152 mm) from the starting corner and is fastened to the sheathing with corrosion-resistant staples, corrosion-resistant nails, or corrosion-resistant nails or staples having plastic washer heads, spaced at a minimum of 6 inches (152 mm) vertically; and is then unrolled around the building and fastened with nails or staples spaced between 16 and 24 inches (406 to 609 mm) on center at top and bottom sill plates and at framing members and no more than 24 inches (609 mm) on center in the field. The printed side of the barrier is installed facing the outside. A minimum of 6 inches (152 mm) of overlap is to be provided 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, the Grade D water-resistive barrier must be applied over sheathing in accordance with 2012 and 2009 IBC Section 2510.6 or 2015 IRC Section R703.7 [2012 and 2009 IRC Section R703.6.3]. For cementitious coatings or exterior insulation and finish systems, application is to be in accordance with the evaluation report on the exterior coating.

The manufacturer's published installation instructions and this report are to be strictly adhered to. If requested by the code official, a copy of this report is to be available at the jobsite during installation.

5.0 CONDITIONS OF USE

The Kimberly-Clark BLOCK-IT* House Wrap 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 The water-resistive barrier must be installed in accordance with the manufacturer's published installation 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 water-resistive barrier must be covered by an exterior wall finish complying with the requirements of the applicable code.
- 5.3 Under the 2012 IBC, installation on exterior walls on buildings of Type I, II, III, IV construction is limited to buildings that are not greater than 40 feet in height above grade plane.
- 5.4 The product is manufactured 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 January, 2013.

6.2 Report of testing in accordance with ASTM E84.

6.3 Reports of testing in accordance with ASTM E2178.

7.0 IDENTIFICATION

7.1 The product described in this report is identified by a label on the container of each roll of membrane with the name and website of the report holder, the product name, a traceability code, and the evaluation report number (ESR-3641); and by printing the name and website of the report holder, the product name and the evaluation report number (ESR-3641) on the product.

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

KIMBERLY-CLARK CORPORATION
1400 HOLCOMB BRIDGE ROAD
ROSWELL, GEORGIA 30076
(770) 587-8000
www.kimberly-clark.com
kcpinfo@kcc.com

ICC-ES Evaluation Report

ESR-3641 FBC Supplement

Reissued May 2019

This report is subject to renewal May 2020.

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
Section: 07 27 00—Air Barriers

REPORT HOLDER:

KIMBERLY-CLARK CORPORATION

EVALUATION SUBJECT:

KIMBERLY-CLARK BLOCK-IT* HOUSE WRAP

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Kimberly-Clark Block-It House Wrap, recognized in ICC-ES master evaluation report ESR-3641, has also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2014 *Florida Building Code—Building*
- 2014 *Florida Building Code—Residential*

2.0 CONCLUSIONS

The Kimberly-Clark BLOCK-IT* House Wrap, described in Sections 2.0 through 7.0 of the master evaluation report ESR-3641, complies with the 2014 *Florida Building Code—Building* and the 2014 *Florida Building Code—Residential*, provided the design and installation are in accordance with the *International Building Code*® (IBC) provisions noted in the master report.

Use of the Kimberly-Clark BLOCK-IT* House Wrap has also been found to be in compliance with the High-Velocity Hurricane Zone provisions of the 2014 *Florida Building Code—Building* and the 2014 *Florida Building Code—Residential*.

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 master report, reissued May 2019.