

ICC-ES Evaluation Report


ESR-2829

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| <p>DIVISION: 07 00 00— THERMAL AND MOISTURE PROTECTION</p> <p>Section: 07 25 00— Water-Resistive Barriers/Weather Barriers</p> | <p>REPORT HOLDER: HAL INDUSTRIES, INC.</p> <p>ADDITIONAL LISTEE: INTERNATIONAL BUILDING COMPONENTS, INC. PRODUCT NAME: WATERBLOCK “RAIN DRAINER”</p> | <p>EVALUATION SUBJECT: HAL-TEX 20, HAL-TEX 30, HAL-TEX 60, HAL- TEX COR-PLY, WATERBLOCK “RAIN DRAINER”, HAL-TEX RAINBOARD BUILDING PAPERS</p> |  |
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1.0 EVALUATION SCOPE

1.1 Compliance with the following code:

- 2012 and 2009 [International Building Code® \(IBC\)](#)
- 2012 and 2009 [International Residential Code® \(IRC\)](#)

Properties evaluated:

- Physical properties

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

- 2022 [California Green Building Standards Code \(CALGreen\)](#), Title 24. Part 11
- 2020, 2015, 2012 and 2008 ICC 700 [National Green Building Standard™](#) (ICC 700-2020, ICC 700-2015, ICC 700-2012 and ICC 700-2008)

Attributes verified:

- See Section 2.0

2.0 USES

HAL-TEX 20, HAL-TEX 30, HAL-TEX 60, HAL-TEX Cor-Ply (WaterBlock “Rain Drainer”), and HAL-TEX Rainboard building papers are used as water-resistive barriers on the exterior side of exterior wall framing, sheathing or insulation on buildings of Type V construction and buildings constructed under the IRC. The water-resistive barriers are alternatives to the water-resistive barriers used as specified in IBC Section 1404.2 and IRC Section R703.2.

The attributes of HAL-TEX 20, HAL-TEX 30, HAL-TEX 60, HAL-TEX Cor-Ply (WaterBlock “Rain Drainer”), and HAL-TEX Rainboard building papers used as water resistive barriers have been verified as conforming to the provisions of (i) CALGreen Section 5.407.1 and (ii) ICC 700-2020 Sections 602.1.8, 11.602.1.8, 1202.6 and 13.104.1.4; (iii) ICC 700-2015 Sections 602.1.8, 11.602.1.8 and 12.6.602.1.8; (iv) ICC 700-2012 Sections 602.1.8, 11.602.1.8 and 12.5.602.1.8 and (v) 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.

3.0 DESCRIPTION

HAL-TEX 20, HAL-TEX 30, HAL-TEX 60, HAL-TEX Cor-Ply (WaterBlock "Rain Drainer"), and HAL-TEX Rainboard building papers are Grade D, asphalt-saturated, kraft building papers. HAL-TEX 20, HAL-TEX 30, and HAL-TEX 60 building papers weigh 3.75, 4.25, and 6.17 pounds per 100 square feet (0.18, 0.21, and 0.30 kg/m²), respectively, and are manufactured in 40-inch-wide (1016 mm) rolls. HAL-TEX Cor-Ply is a 2-ply building paper; the exterior ply is smooth and the interior ply is corrugated. Cor-Ply is available in rolls 36 inches (914.4mm) wide and 33 feet (10.15 m) long, and is also available in sheets. HAL-TEX Rainboard is a three-ply building paper; the exterior plies are smooth and the interior ply is corrugated. Rainboard is available in sheets 40 inches (1016 mm) wide and 64 inches (1626 mm) long.

4.0 INSTALLATION

Installation of the barriers must be in accordance with the manufacturer's published installation instructions, this report and the applicable code. The barriers must be installed in accordance with IBC Sections 1404.2 and 2510.6, or IRC Section R703.6.3, as applicable, on the exterior side of exterior wall framing, sheathing or insulation, with the printed side installed facing outward. The water-resistive barriers must be attached to the studs or sheathing, with flashing as described in IBC Section 1405.4 or IRC Section R703.2, in such a manner as to provide a continuous water-resistive barrier behind the exterior wall veneer.

When the barrier is installed over wood-based sheathing in exterior plaster applications, the barrier must be applied in two layers over the sheathing, in accordance with Section 2510.6 of the IBC and Section R703.6.3 of the IRC. When installed under cementitious coatings or exterior insulation and finish systems, the barrier must be applied in accordance with the ICC-ES evaluation report on the exterior coating system.

HAL-TEX 20, HAL-TEX 30, and HAL-TEX 60 must be installed horizontally with horizontal seams overlapped a minimum of 4 inches (102 mm) and vertical seams overlapped a minimum of 12 inches (304 mm). Refer to Hal Industries published installation guidelines for installation of HAL-TEX Cor-Ply (WaterBlock "Rain Drainer") and HAL-TEX Rainboard.

5.0 CONDITIONS OF USE:

The HAL-TEX building papers 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 following conditions:

- 5.1 Installation must comply with this report, the manufacturer's published installation instructions and the applicable code. 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 with an approved exterior wall covering.
- 5.3 The use of HAL-TEX 20, HAL-TEX 30, HAL-TEX 60, HAL-TEX Cor-Ply (WaterBlock "Rain Drainer"), and HAL-TEX Rainboard building paper is limited to 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 January 2013.

7.0 IDENTIFICATION

- 7.1 The product rolls are identified with a label bearing the Hal Industries, Inc. or additional listee (International Building Components, Inc.), name and address; the product name (HAL-TEX 20, HAL-TEX 30, HAL-TEX 60, HAL-TEX Cor-Ply (Water Block "Rain Drainer"), or HAL-TEX Rainboard); and the evaluation report number (ESR-2829).
- 7.2 The report holder's contact information is the following:

HAL INDUSTRIES, INC.
9681 – 187th STREET
SURREY, BRITISH COLUMBIA V4N 3N3
CANADA
(604) 888-0777
www.halind.com
halind@halind.com

7.3 The additional listee's contact information is the following:

INTERNATIONAL BUILDING COMPONENTS, INC.
21428 WOODS CREEK ROAD
MONROE, WASHINGTON 98272
(360) 794-2151