Code Compliance Research Report
CCRR-0306

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DIVISION: 07 00 00 – THERMAL AND MOISTURE PROTECTION
Section: 07 25 00 – Weather Barriers
Section: 07 27 00 – Air Barriers

REPORT HOLDER:
Top Industrial, Inc.
15010 Keswick St.
Van Nuys, CA 91405
818-901-1313
http://topindustrial.com

REPORT SUBJECT:
RainBuster #530 and RainBuster #550 Building Wraps

1.0 SCOPE OF EVALUATION

1.1 This Research Report addresses compliance with the following Codes:

- 2024, 2021, 2018 *International Building Code®* (IBC)
- 2024, 2021, 2018 *International Residential Code®* (IRC)
- 2024, 2021, 2018 *International Energy Conservation Code®* (IECC)

NOTE: This report references 2024 Code sections. Earlier version of the Codes may have different section numbers.

1.2 RainBuster #530 Building Wrap has been evaluated for the following properties (see Table 1):

- Water-resistive barrier
- Surface-burning characteristics
- Air barrier assembly
- Drainage efficiency

1.2.1 RainBuster #530 Building Wrap has been evaluated for the following uses (see Table 1):

- Use as an alternative to the water-resistive barriers referenced in IBC Section 1403.2 and IRC Section 703.2
- Use as a water-resistive barrier over wood-based sheathing under cement plaster (stucco) having a 60-minute water-resistive rating under IBC Section 2510.6 and IRC Section R703.7.3

1.3 RainBuster #550 Building Wrap has been evaluated for the following properties (see Table 1):

- Water-resistive barrier
- Surface-burning characteristics
- Air barrier materials
- Drainage efficiency

1.3.1 RainBuster #550 Building Wrap has been evaluated for the following uses (see Table 1):

- Use as an alternative to the water-resistive barriers referenced in IBC Section 1403.2 and IRC Section 703.2
- Use as a water-resistive barrier over wood-based sheathing under cement plaster (stucco) having a 60-minute water-resistive rating under IBC Section 2510.6 and IRC Section R703.7.3
- Use as an air barrier material under IRC Section N1102.4.1 and IECC Sections C402.6 and R402.6

2.0 STATEMENT OF COMPLIANCE

RainBuster #530 and RainBuster #550 Building Wraps comply with the Codes listed in Section 1.1, for the properties stated in Section 1.2, and uses stated in Section 1.3, when installed as described in this report, including the Conditions of Use stated in Section 6.0.

2.1 2024 IBC and IRC Evaluation Reports

The Intertek CCRR is an *Evaluation Report* for approval of an alternate material, design, or method of construction in accordance with Section 104.2.3.6.1 of the 2024 IBC and Section R104.2.2.6.1 of the 2024 IRC.

3.0 DESCRIPTION

3.1 RainBuster #530 Building Wrap consists of a woven, microperforated polymeric scrim with polymeric coating. The building wrap is available in various colors and sizes. The nominal weight of the building wrap is 1.33 lbs/100 ft^2.

3.2 RainBuster #550 Building Wrap consists of nonwoven, microporous polymeric fabric and a non-perforated breathable barrier layer. The building wrap is

available in various colors and sizes. The nominal weight of the building wrap is 1.84 lbs/100 ft^2.

4.0 PERFORMANCE CHARACTERISTICS

4.1 Surface Burning Characteristics: RainBuster #530 and RainBuster #550 Building Wraps have a flame-spread index of 25 or less and a smoke-developed index of 450 or less when tested in accordance with ASTM E84.

4.2 Water-resistance: RainBuster #530 and RainBuster #550 Building Wraps have a 60-minute water-resistance rating when tested in accordance with the applicable requirements of ICC-ES AC38.

4.3 Air Barrier Materials: RainBuster #550 Building Wrap has an air leakage rate no greater than 0.02 L/s-m^2 at 75 Pa when tested in accordance with ASTM E2178.

4.4 Air Barrier Assembly: RainBuster #530 Building Wrap is recognized as a component of an air barrier assembly in accordance with IECC Section C402.6.2.3.2 based on testing in accordance with ASTM E2357.

4.5 Drainage Efficiency: RainBuster #530 and RainBuster #550 Building Wraps have drainage efficiency rating of 90% or more, when tested in accordance with ASTM E2273.

5.0 INSTALLATION

5.1 General: RainBuster #530 and RainBuster #550 Building Wraps must be installed in accordance with the manufacturer's published installation instructions, the applicable Code, and this Research Report. A copy of the manufacturer's instructions must be available on the jobsite during installation.

5.2 Water-resistive Barrier Application: When used as a water-resistive barrier, the RainBuster #530 and RainBuster #550 Building Wraps must be installed as described in IBC Section 1403.2 and IRC Section R703.2, and in accordance with the manufacturer's published installation instructions.

When used as a water-resistive barrier in exterior stucco applications over wood-based sheathing, installation must comply with IBC Section 2510.6 or IRC Section 703.7.3.

5.3 Air Barrier Material: RainBuster #550 Building Wrap may be used where air barrier materials are permitted under IECC Section C402.6.2.3.1.

5.4 Air Barrier Assembly: When used as a component of an air barrier assembly, RainBuster #530 is attached to sheathing with fasteners specified in the manufacturer's published installation instructions. Seams in the building wraps must be sealed with 1-7/8 in. wide Top Industrial RainBuster 501 Seam Tape or equivalent pressure-sensitive tape. Minimum 1/2 in. thick gypsum wallboard on the interior side of the assembly must be attached to the wall framing. Penetrations in the air barrier assembly must be sealed in accordance with IECC Section C402.6.1.2.

6.0 CONDITIONS OF USE

6.1 Installation must comply with this Research Report, the manufacturer's published installation instructions, and the applicable Code. In the event of a conflict, this report governs.

6.2 The building wraps must be covered with an approved exterior wall covering in accordance with the applicable Code.

6.3 Installation of the building wraps on buildings of Type I, II, III, or IV construction is limited to buildings 40 feet or less in height above grade plane.

6.4 The Building Wraps are manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc.

7.0 SUPPORTING EVIDENCE

7.1 Reports of tests demonstrating compliance with ASTM E84-21a, ASTM E2178-21a, ASTM E2273-18, and ASTM E2357.

7.2 Data in accordance with the ICC-ES Acceptance Criteria for Water-resistive Barriers (AC38), approved August 2016.

7.3 Intertek Listing Report "Top Industrial – Building Wraps", on the Intertek Directory of Building Products.

8.0 IDENTIFICATION

The RainBuster #530 and RainBuster #550 Building Wraps are identified with the report holder's name, telephone number, the product name, the Intertek Mark as shown below, and the Code Compliance Research Report number (CCRR-0306).

9.0 OTHER CODES

This section is not applicable.

10.0 CODE COMPLIANCE RESEARCH REPORT USE

10.1 Approval of building products and/or materials can only be granted by a building official having legal authority in the specific jurisdiction where approval is sought.

10.2 Code Compliance Research Reports shall not be used in any manner that implies an endorsement of the product by Intertek.

10.3 Reference to the https://bpdirectory.intertek.com is recommended to ascertain the current version and status of this report.

TABLE 1 – PROPERTIES EVALUATED

PROPERTY	APPLICABLE CODE SECTIONS[1]		
	IBC	IRC	IECC
Water-resistive Barrier	1403.2 2510.6	R703.2 R703.7.3	NA
Air Barrier	NA	N1102.4.1	C402.6 R402.5
Exterior Walls of Types I-IV Construction	1402.6	NA	NA
Water Drainage Efficiency	NA	NA	NA

[1] Section numbers pertain to the most recent edition cited in Section 1.1 of this Report

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