

DIVISION: 07 00 00 – THERMAL MOISTURE AND PROTECTION

Section: 07 24 19 – Water-Drainage Exterior Insulation and Finish System

REPORT HOLDER:

E I DuPont de Nemours and Company
5401 Jefferson Davis Highway
Richmond VA, 23234
1-800-44-tyvek
Drainvent.tyvek.com

REPORT SUBJECT:

DuPont™ Tyvek® DrainVent™ Rainscreen

1.0 SCOPE OF EVALUATION

1.1 This Research Report addresses compliance with the following Codes:

- 2018, 2015 and 2012 *International Building Code*® (IBC)
- 2018, 2015 and 2012 *International Residential Code*® (IRC)

NOTE: This report references 2018 Code sections. Section numbers in earlier versions of the codes may differ.

1.2 The DuPont™ Tyvek® DrainVent™ Rainscreen system has been evaluated for the following properties (see Table 1):

- Water Drainage
- Surface Burning
- Durability

1.3 DuPont™ Tyvek® DrainVent™ Rainscreen has been evaluated for the following uses (see Table 1):

- Use as a means for draining water that enters a cement plaster (stucco) or adhered masonry wall envelope to the exterior.
- Use in Type VB combustible construction and buildings less than 40 feet in height.

2.0 STATEMENT OF COMPLIANCE

DuPont™ Tyvek® DrainVent™ Rainscreen complies 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.

3.0 DESCRIPTION

3.1 DuPont™ Tyvek® DrainVent™ Rainscreen is composed of a drainage mesh laminated to a filter fabric backing. Tyvek® DrainVent™ Rainscreen is 48 inches wide with additional 3 inches of fabric allowing overlap of the lower courses. When folded behind the mesh along the bottom, it provides an insect screen. Rolls of DrainVent™ are 50 feet in length.

4.0 PERFORMANCE CHARACTERISTICS

4.1 Surface Burning Characteristics: Tyvek® Drainvent™ Rainscreen has a flame spread index not exceeding 25 and a smoke developed index not exceeding 450 when tested in accordance with ASTM E84.

4.2 Water Drainage: The Tyvek® Drainvent™ Rainscreen has a drainage efficiency greater than 75 percent when tested in accordance with ASTM E2273.

5.0 INSTALLATION

5.1 General:

DuPont™ Tyvek® DrainVent™ Rainscreen 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. DuPont™ Tyvek® DrainVent™ Rainscreen provides the minimum required 3/16-inch drainage gap for compliance to ASTM C1780.



5.2 Application:

Tyvek® DrainVent™ must be applied over the weather-resistive barrier and plywood or OSB sheathing. The product is fastened to the sheathing with a minimum 1/2-inch crown corrosion-resistant staples spaced vertically 8 inches on center to wood framing spaced every other stud for 16 inches on center. The 3-inch filter fabric on the lower edge of horizontal seams must be installed over the lower course in a shingled manner. Vertical joints must be butted together and covered with DuPont Tyvek® Tape to ensure that mortar does not penetrate the joint. Vertical joints shall not be overlapped. The exterior wall covering must be installed in accordance with the applicable code and the manufacturer's instructions.

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 system is limited to use with exterior cement plaster (stucco) and adhered masonry veneer wall coverings permitted by the code.

6.3 The system is limited to Type VB construction and buildings no greater than 40 feet in height.

6.4 The system must be installed over a water-resistive barrier complying with the applicable code.

6.5 Structural performance of exterior cement plaster (stucco) or adhered masonry veneer walls installed over the drainage system is outside the scope of this report.

6.6 The Tyvek® DrainVent™ rainscreen is manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc.

7.0 SUPPORTING EVIDENCE

7.1 Reports of tests in accordance with ASTM E84-17 and ASTM E2273-18.

7.2 Data in accordance with the ICC-ES Acceptance Criteria for Moisture Drainage Systems Used with Exterior Cement Plaster or Adhered Masonry Veneer Walls. AC356, dated October 2009.

7.3 Intertek Listing Report "E.I. Dupont de Nemours and Company – Tyvek Drainvent Rainscreen", on the [Intertek Directory of Building Products](#).

8.0 IDENTIFICATION

The Tyvek DrainVent Rainscreen panels are identified with the manufacturer's name (E I DuPont de Nemours and Company), address and telephone number; the product name (DrainVent Rainscreen); the Intertek Mark as shown below; and the Code Compliance Research Report number (CCRR-0295).



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	2018 IBC SECTION ¹	2018 IRC SECTION ¹
Moisture Drainage	1402.2	R703.1.1
Surface Burning Characteristics	AC356, Section 3.2	AC356, Section 3.2

¹ Section numbers may be different for earlier versions of the International codes.

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