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DIVISION: 07—THERMAL AND MOISTURE PROTECTION
Section: 07280—Water-Resistive Barriers

REPORT HOLDER:

E.I. DUPONT DE NEMOURS AND COMPANY, INC.
(DUPONT™)
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EVALUATION SUBJECT:

DUPONT™ TYVEK® 3480M THERMAWRAP™

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2006 *International Building Code*® (IBC)
- 2006 *International Residential Code*® (IRC)
- 1997 *Uniform Building Code*™ (UBC)

Property evaluated:

Water resistance

2.0 USES

DuPont™ Tyvek® 3480M ThermaWrap™ is used as a water-resistive barrier on the exterior side of exterior walls of buildings of all construction types (IBC and UBC) and construction permitted under the IRC. DuPont™ Tyvek® 3480M ThermaWrap™ is an alternative to the water-resistive barrier specified in IBC Section 1404.2, UBC Section 1402.1 and IRC Section R703.2. The product is also considered equivalent to a 60-minute Grade D paper in accordance with Section 2510.6 of the IBC, Section R703.6.3 of the IRC and Section 2506.4 of the UBC.

3.0 DESCRIPTION

DuPont™ Tyvek® 3480M ThermaWrap™ is a nonwoven, spun bonded, nonperforated, white-colored polyethylene sheet with an aluminum coating on one face. The membrane has a nominal thickness of 0.010 inch (0.25 mm) and a basis weight of 2.4 oz/yd² (81 g/m²). The membrane is available in rolls of varying size. The product logo may appear on either side.

4.0 INSTALLATION

DuPont™ Tyvek® 3480M ThermaWrap™ is installed after wall framing is completed and before or after windows and doors are installed. The roll is placed a minimum of 6 to 12 inches (152 to 305 mm) beyond the starting corner and fastened with either corrosion-resistant nails having a minimum ³/₈-inch-

diameter (9.5 mm) head or plastic washer heads or corrosion-resistant staples with minimum 1-inch (25.4 mm) crowns. The wrap is unrolled around the building and fastened with nails or staples spaced between 12 and 18 inches (305 to 457 mm) on center at each vertical stud line. Either surface may be installed facing the exterior. A minimum overlap of 6 inches (152 mm) is provided for both vertical and horizontal seams and the seams are taped with either 2- or 3-inch-wide (51 to 76 mm) DuPont™ Tyvek® Metalized Tape. When use is over wood-based sheathing in exterior plaster applications in jurisdictions enforcing the IBC or IRC, the installation of the product must be in accordance with the exception to IBC Section 2510.6 or IRC Section R703.6.3, as applicable; and in jurisdictions enforcing the UBC, two layers of product or one layer of product and another layer of an approved water-resistive barrier must be applied over the wood-based sheathing in accordance with UBC Section 2506.4. For cementitious coatings or exterior insulation and finish systems, application must be in accordance with the evaluation report on the exterior coating.

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.

5.0 CONDITIONS OF USE

The DuPont™ Tyvek® 3480M ThermaWrap™ membrane 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 condition: that the membrane is covered with an approved exterior wall covering complying with the applicable code after application.

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Water-resistive Barriers (AC38), dated June 2004.

7.0 IDENTIFICATION

The DuPont™ Tyvek® 3480M ThermaWrap™ membrane described in this report must be identified by a label, on the wrapper, package or container of each roll of membrane, bearing the manufacturer's name (E.I. DuPont de Nemours and Company, Inc.), the product name, the manufacturing location (Luxembourg), and the evaluation report number (ESR-1993).