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

REPORT HOLDER:

A PROCTOR GROUP
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EVALUATION SUBJECT:

WALLSHIELD™ WEATHER RESISTIVE BARRIER AND
WRAPSHIELD™ WEATHER RESISTIVE BARRIER

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2003 *International Building Code*® (IBC)
- 2003 *International Residential Code*® (IRC)

Properties evaluated:

Water-resistance

2.0 USES

Wallshield™ and Wrapshield™ weather resistive barriers are used as water-resistive barriers on the exterior side of exterior walls of buildings of Type V-B (IBC) construction and construction permitted under the IRC. The term “water-resistive barrier” in this report includes water-resistive barriers under IBC Section 1404.2 and weather-resistant sheathing paper under IRC Section R703.2. The products are also equivalent to Grade D paper in accordance with the IBC.

3.0 DESCRIPTION

3.1 Wallshield™:

Wallshield™ is a spun bonded, nonperforated, polypropylene material with a nominal thickness of 0.023 inch (0.58 mm) and a basis weight of 5.16 ounces per square yard (175 g/m²). The material is available in 59-inch-wide-by-164-foot-long (1.5 by 50 m) rolls. The membrane is green and black on the exterior surface and white on the underside.

3.2 Wrapshield™:

Wrapshield™ is a spun bonded, nonperforated, polypropylene material with a nominal thickness of 0.023 inch (0.58 mm) and a basis weight of 5.16 ounces per square yard (175 g/m²). The material is available in 59-inch-high-by-164-foot-long (1.5 by 50 m) rolls. The membrane is orange-brown on the exterior surface and white on the unexposed surface.

4.0 INSTALLATION

Wallshield™ and Wrapshield™ shall be installed after wall framing is completed and before windows and doors are installed. The roll shall be placed a minimum of 6 inches (152

mm) from the starting corner, unrolled around the building and fastened to the sheathing with either minimum No. 12 gage [0.019-inch-diameter shank (0.48 mm)] corrosion-resistant or stainless steel nails having minimum 3/8-inch-diameter (9.5 mm) heads, or minimum No. 14 [0.083-inch-diameter shank (2.1 mm)] corrosion-resistant or stainless steel nails having 1-inch-diameter (25.4 mm) caps, or minimum No. 16 gage stainless steel staples with minimum 1-inch (25.4 mm) crowns, spaced at a maximum of 24 inches (610 mm) on center; and shall be unrolled around the building and fastened with nails or staples spaced at a maximum of 24 inches (610 mm) on center along the top and bottom. The colored side shall be installed facing the outside. Where the seams are not to be taped, the vertical seams shall be overlapped a minimum of 12 inches (305 mm) and the horizontal seams shall be overlapped a minimum of 6 inches (152 mm). Where the seams are to be taped, a minimum overlap of 6 inches (152 mm) shall be provided for both vertical and horizontal seams. The type of tape used shall be as set forth in the manufacturer's published installation instructions. When use is over wood-based sheathing in exterior plaster applications, two layers of product shall be applied over sheathing in accordance with IBC Section 2510.6. For cementitious coatings or exterior insulation and finish systems, application shall be in accordance with the evaluation report on the exterior coating.

The manufacturer's published installation instructions and this report shall be strictly adhered to. If requested by the code official, a copy of this report shall 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 shall govern.

5.0 CONDITIONS OF USE

The WallShield™ and Wrapshield™ membranes 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 condition that WallShield™ and Wrapshield™ membranes shall be limited to use on buildings of Type V-B (IBC) 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 June 2004.

7.0 IDENTIFICATION

WallShield™ and Wrapshield™ membranes described in this report shall be identified by a label, on the wrapper of each roll of membrane, bearing the manufacturer's name (A Proctor Group, L.L.C.), the product name, the manufacturing location (Forfar, Angus, Scotland), and the evaluation report number (ESR-1916).