

ICC-ES Evaluation Report

ESR-2514

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**DIVISION: 07 00 00—THERMAL AND MOISTURE
PROTECTION****Section: 07 25 00—Water-Resistive Barriers/Weather
Barriers****REPORT HOLDER:**

PERMA R PRODUCTS, INC.
606 OLD QUITMAN ROAD
ADEL, GEORGIA 31620
(229) 896-2207
www.permarproducts.com

EVALUATION SUBJECT:**PERMAWRAP™ AND PERMAPRO™ WATER-RESISTIVE
BARRIERS****1.0 EVALUATION SCOPE****Compliance with the following codes:**

- 2006 *International Building Code*® (IBC)
- 2006 *International Residential Code*® (IRC)

Property evaluated:

Physical properties

2.0 USES

PermaWrap™ and PermaPro™ 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. PermaWrap™ and PermaPro™ are equivalent to Grade D paper as described in IBC Section 2510.6 and IRC Section R703.6.3.

3.0 DESCRIPTION

PermaWrap™ and PermaPro™ are woven, microperforated, polyolefin materials, white in color, with an average basis weight of 2.1 (+/-0.3) ounces per square yard [72 (+/-10) g/m²], and are produced in rolls of varying size.

4.0 INSTALLATION

PermaWrap™ and PermaPro™ are installed after wall framing is completed and before or after windows and doors are installed. The roll is placed approximately 6 inches (152 mm) from the starting corner and fastened to

the sheathing with corrosion-resistant staples with minimum 1-inch (25.4 mm) crowns, corrosion-resistant nails having minimum ³/₈-inch-diameter (9.5 mm) heads or corrosion-resistant nails having 1-inch-diameter (25.4 mm) plastic washer heads, spaced at a minimum of 6 inches (152 mm) vertically. The material is unrolled around the building and fastened with nails or staples spaced between 12 and 18 inches (305 to 457 mm) on center at top and bottom sill plates and at framing members. The printed side is installed facing the outside. A minimum of 6 inches (102 mm) of overlap must be provided for vertical seams and 2 inches (51 mm) for horizontal seams, except where the manufacturer's installation instructions specify a greater overlap dimension. When use is over wood-based sheathing in exterior plaster applications, two layers of product must be applied over sheathing in accordance with IBC Section 2510.6 or IRC Section R703.6.3. 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 is to 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 PermaWrap™ and PermaPro™ water-resistive barriers 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 they are 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 October 2009.

7.0 IDENTIFICATION

The PermaWrap™ and PermaPro™ described in this report are identified by a label on the container of each roll of membrane and by printing on the product, bearing the report holder's name (Perma R Products), address, and telephone number; the manufacturing location (Adel, Georgia); the product name; and the evaluation report number (ESR-2514).