

ICC-ES Evaluation Report

ESR-2514

Reissued October 2023

This report also contains:

Revised June 2024


- CBC Supplement

Subject to renewal October 2024

- FBC Supplement

ICC-ES Evaluation Reports are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by ICC Evaluation Service, LLC, express or implied, as to any finding or other matter in this report, or as to any product covered by the report.

Copyright © 2024 ICC Evaluation Service, LLC. All rights reserved.

<p>DIVISION: 07 00 00 — THERMAL AND MOISTURE PROTECTION</p> <p>Section: 07 25 00 — Water-Resistive Barriers/Weather Barriers</p>	<p>REPORT HOLDER:</p> <p>PERMA R PRODUCTS, INC.</p> <p>ADDITIONAL LISTEES:</p> <p>INTERTAPE POLYMER CORP.</p> <p>POLYMER GROUP, INC.</p>	<p>EVALUATION SUBJECT:</p> <p>PERMAWRAP™ AND PERMAPRO™ WATER-RESISTIVE BARRIERS</p>	
--	---	---	---

1.0 EVALUATION SCOPE

1.1 Compliance with the following codes:

- 2021, 2018, 2015, 2012, 2009 and 2006 [International Building Code® \(IBC\)](#)
- 2021, 2018, 2015, 2012, 2009 and 2006 [International Residential Code® \(IRC\)](#)

Property evaluated:

- Physical properties

1.2 Evaluation to the following green code(s) and/or standards:

- 2022 [California Green Building Standards Code \(CALGreen\)](#), Title 24, Part 11
- 2020, 2015, 2012 and 2008 ICC 700 [National Green Building Standard™ \(ICC 700-2020, ICC 700-2015, ICC 700-2012, and ICC 700-2008\)](#)

Attributes verified:

- See Section 3.0

2.0 USES

PermaWrap™ and PermaPro™ are alternatives to the water-resistive barriers specified in 2021 and 2018 IBC Section 1403.2 (2015, 2012, 2009 and 2006 IBC Section 1404.2) and IRC Section R703.2. The water-resistive barriers are used 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 also equivalent to Grade D paper as described in 2021, 2012, 2009 and 2006 IBC Section 2510.6 and 2021, 2018 and 2015 IRC Section R703.7.3 [2012, 2009 and 2006 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. See [Table 1](#) for Perma R Products, Inc.'s product trade names with corresponding product names for each additional listee.

The attributes of the water-resistive barriers have been verified as conforming to the provisions of (i) CALGreen Section 5.407.1; (ii) ICC 700-2020 Sections 602.1.8, 11.602.1.8, 1202.6 and 13.104.1.4; (iii) ICC 700-2015 Section 602.1.8, 11.602.1.8 and 12.6.602.1.8; (iv) ICC 700-2012 Section 602.1.8, 11.602.1.8 and 12.5.602.1.8; and (v) ICC 700-2008 Section 602.9 for water-resistive barriers. Note that decisions on compliance for those areas rest with the user of this report. The user is advised of the project-specific provisions that may be contingent upon meeting specific conditions, and the verification of those conditions is outside the scope of this report. These codes or standards often provide supplemental information as guidance.

4.0 DESIGN AND INSTALLATION

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.

PermaWrap™ and PermaPro™ are installed after wall framing is completed and before or after windows and doors are installed. The printed side is installed facing the outside. The roll is placed approximately 6 inches (152 mm) from the starting corner and fastened to the sheathing with corrosion-resistant staples, corrosion-resistant nails or corrosion-resistant nails or staples with 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 36 and 48 inches (914 to 1219 mm) on center at the top and in the field of the material. The material can either be attached 12 inches (305 mm) above the sill plate (left unattached below for installation of counter flashing) or tacked with nails or staples approximately 48 inches (1219 mm) along the sill plate to secure before counter flashing is installed. A minimum of 6 inches (152 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 used over foam insulation sheathing (not cementitious or EIFs application), the house wrap must be fastened with large-headed nails long enough to penetrate through the insulation into the framing studs.

When use is over wood-based sheathing in exterior plaster applications, two layers of product must be applied over sheathing in accordance with 2012, 2009 and 2006 IBC Section 2510.6 or 2018 and 2015 IRC Section R703.7.3 [2012, 2009 and 2006 IRC Section R703.6.3].

When PermaWrap™ and PermaPro™ is used over wood-based sheathing in exterior plaster applications in accordance with the 2021 IBC Section 2510.6 and 2021 IRC Section R703.7.3 installation must be as follows:

- For dry climate zones (B) in accordance with 2021 IBC Section 2510.6.1 or 2021 IRC Section R703.7.3.1, the product must be applied in accordance with 2021 IBC Section 2510.6.1 Item 1 and 2021 IRC Section R703.7.3.2 Item 1, as applicable.
- For moist climate zones (A) or marine climate zones (C) in accordance with 2021 IBC Section 2510.6.2 or 2021 IRC Section R703.7.3.2, the product must be applied in accordance the dry climate zone (b) provisions noted above and with the additional requirements noted in 2021 IBC Section 2510.6.2 Item 1 or 2021 IRC Section 703.7.3.2 Item 1, as applicable.

For cementitious coatings or exterior insulation and finish systems, application is to be in accordance with the ICC-ES evaluation report on exterior coating system.

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 following conditions:

- 5.1** PermaWrap™ and PermaPro™ are limited to use on buildings of Type V-B (IBC) construction and construction permitted by the IRC.
- 5.2** Under the 2018 and 2015 IBC the products must not be installed where ASTM E2556 Type I or II building paper is required.
- 5.3** The products are manufactured under a quality control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

Data in accordance with the [ICC-ES Acceptance Criteria for Water-resistive Barriers \(AC38\)](#), dated August 2016 (editorially revised July 2021).

7.0 IDENTIFICATION

- 7.1 The ICC-ES mark of conformity, electronic labeling or the evaluation report number (ICC-ES ESR-2514) along with the name, registered trademark, or registered logo of the report holder (Perma R Products) or listee (Intertape Polymer Corp. or Polymer Group, Inc.) must be included in the product label.
- 7.2 In addition, the PermaWrap™ and PermaPro™ described in this report are identified printing on the product, bearing the report holder’s name (Perma R Products) or additional listee’s name (Intertape Polymer Corp. or Polymer Group, Inc.), address, and telephone number; the manufacturing location (Adel, Georgia); the product name; and the evaluation report number (ESR-2514).
- 7.3 The report holder’s contact information is the following:

PERMA R PRODUCTS, INC.
POST OFFICE BOX 279
GRENADA, MISSISSIPPI 38901(662) 226-8075
www.permarproducts.com

- 7.4 The additional listees’ contact information is the following:

INTERTAPE POLYMER CORP.
50 ABBEY AVENUE
TRURO, NOVA SCOTIA B2N 6W4
CANADA
(902) 895-1686
www.intertapepolymer.com

POLYMER GROUP, INC.
70 OLD HICKORY BOULEVARD
OLD HICKORY, TENNESSEE 37138
(615) 847-7000
www.polymergroupinc.com

TABLE 1 — PRODUCT TRADE NAMES

PERMA R PRODUCTS, INC	ADDITIONAL LISTEE	
	INTERTAPE POLYMER CORP.	POLYMER GROUP, INC.
PremaWrap™	NovaWrap™ GP	---
PermaPro™	---	Surround Contractor Wrap

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

REPORT HOLDER:

PERMA R PRODUCTS, INC.

EVALUATION SUBJECT:

PERMAWRAP™ AND PERMAPRO™ WATER-RESISTIVE BARRIERS

1.0 REPORT PURPOSE AND SCOPE**Purpose:**

The purpose of this evaluation report supplement is to indicate that PermaWrap™ and PermaPro™, described in ICC-ES evaluation report ESR-2514, has also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2022 California Building Code (CBC)

For evaluation of applicable chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) AKA: California Department of Health Care Access and Information (HCAI) and the Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

- 2022 California Residential Code (CRC)

2.0 CONCLUSIONS**2.1 CBC:**

The PermaWrap™ and PermaPro™, described in Sections 2.0 through 7.0 of the evaluation report ESR-2514, comply with CBC Chapter 14, provided the design and installation are in accordance with the 2021 *International Building Code*® (IBC) provisions noted in the evaluation report and the additional requirements of the CBC Chapters 14 and 25 as applicable.

2.1.1 OSHPD:

The applicable OSHPD Sections and Chapters of the CBC are beyond the scope of this supplement.

2.1.2 DSA:

The applicable DSA Sections and Chapters of the CBC are beyond the scope of this supplement.

2.2 CRC:

The PermaWrap™ and PermaPro™, described in Sections 2.0 through 7.0 of the evaluation report ESR-2514, comply with CRC Chapter 7, provided the design and installation are in accordance with the 2021 *International Residential Code*® (IRC) provisions noted in the evaluation report and the applicable provisions of the CRC Chapter 7, as applicable.

This supplement expires concurrently with the evaluation report, reissued October 2023, revised June 2024.

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

REPORT HOLDER:

PERMA R PRODUCTS, INC.

EVALUATION SUBJECT:

PERMAWRAP™ AND PERMAPRO™ WATER-RESISTIVE BARRIERS

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that PermaWrap™ and PermaPro™ Water-Resistive Barriers, described in ICC-ES evaluation report ESR-2514, has also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2023 Florida Building Code—Building
- 2023 Florida Building Code—Residential

2.0 CONCLUSIONS

The PermaWrap™ and PermaPro™ Water-Resistive Barriers, described in Sections 2.0 through 7.0 of the evaluation report ESR-2514, complies with the *Florida Building Code—Building* and *Florida Building Code—Residential*. The design requirements must be determined in accordance with the *Florida Building Code—Building* or the *Florida Building Code—Residential*, as applicable. The installation requirements noted in ICC-ES evaluation report ESR-2514 for the 2021 *International Building Code*® meet the requirements of the *Florida Building Code—Building* or the *Florida Building Code—Residential*, as applicable.

Use of the PermaWrap™ and PermaPro™ Water-Resistive Barriers for compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Building* and the *Florida Building Code—Residential* has not been evaluated, and is outside the scope of this supplemental report.

For products falling under Florida Rule61G20-3, verification that the report holder's quality-assurance program is audited by a quality-assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official, when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the evaluation report, reissued October 2023, revised June 2024.