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Revised Date: 12-18-2024
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DIVISION: 07 00 00 – THERMAL AND MOISTURE PROTECTION

Section: 07 25 00 – Weather Barriers

Section: 07 27 00 – Air Barriers

REPORT HOLDER:

R.H. Tamlyn & Sons

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REPORT SUBJECT:

TamlynWrap® Elite

TamlynWrap® Home

1.0 SCOPE OF EVALUATION

1.1 This Research Report addresses compliance with the following Codes:

- 2024, 2021, 2018 *International Building Code®* (IBC)
- 2024, 2021, 2018 *International Residential Code®* (IRC)
- 2024, 2021, 2018 *International Energy Conservation Code®* (IECC)
- 2023, 2020 *Florida Building Code* (see Section 9)
- 2022 *California Building Code* (see Section 9)

NOTE: This report references the most recent Code editions noted. Section numbers in earlier editions may differ.

1.2 The TamlynWrap® products have been evaluated for the following properties (see Table 1):

- Water-resistive barrier
- Surface-burning characteristics
- Air permeability

1.3 The TamlynWrap® products have been evaluated for the following uses (see Table 1):

- Use as an alternative to the water-resistive barriers referenced in IBC Section 1403.2 and IRC Section R703.2

- Use as an air barrier material as referenced in IECC Sections C402.6.2.3.1 and R402.4
- Use in Types I, II, III, IV, and V construction

2.0 STATEMENT OF COMPLIANCE

The TamlynWrap® products comply 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.

2.1 2024 IBC and IRC Evaluation Reports: The Intertek CCRR is an *Evaluation Report* for approval of an alternate material, design, or method of construction in accordance with Section 104.2.3.6.1 of the 2024 IBC and Section R104.2.2.6.1 of the 2024 IRC.

3.0 DESCRIPTION

3.1 TamlynWrap® Elite and TamlynWrap® Home: The non-perforated housewraps are composed of a PET non-woven layer and a non-perforated breathable film that is bonded to the non-woven layer. The products are available with a basis weight of 85 grams per square meter (gsm).

4.0 PERFORMANCE CHARACTERISTICS

4.1 Surface-Burning Characteristics: The housewraps have a flame-spread index of 25 or less and a smoke-developed index of 450 or less when tested in accordance with ASTM E84.

4.2 Air Permeability: The housewraps have an air leakage rate not exceeding 0.02 L/s-m² at 75 Pa when tested in accordance with ASTM E2178.

4.3 Heat Release Rate: The housewraps have a peak heat release rate of less than 150 kW/m², a total heat release of less than 20 MJ/m² and an effective heat of combustion of less than 18 MJ/kg when tested in accordance with ASTM E1354 at an incident radiant heat flux of 50kW/m².



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5.0 INSTALLATION

5.1 General:

The housewraps 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.

5.2 Water-resistive Barrier Application: When used as a water-resistive barrier, the housewraps must be installed as described in IBC Section 1403.2 and IRC Section R703.2 and in accordance with the manufacturer's published installation instructions.

The housewraps have not been evaluated for use between exterior stucco applications and wood-based sheathing as detailed in IBC Section 2510.6 and IRC Section R703.7.3.

5.3 Air Barrier Application: When used as an air barrier material, the housewraps must be installed as described in IRC Section 1102.5.1, or IECC Sections C402.6 or R402.4, as applicable, and in accordance with the manufacturer's published installation instructions.

5.4 Use on Exterior Walls of Types I, II, III, and IV Construction: When used on exterior walls that are greater than 40 feet in height above grade plane in Types I, II, III, and IV construction, the housewraps must be the only combustible component in accordance with IBC Section 1402.6 Exception 2, and must be installed in accordance with the manufacturer's published installation 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 housewraps must be covered with an approved exterior wall covering in accordance with the applicable code.

6.3 The housewraps are 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, ASTM E96, ASTM E1354, and ASTM E2178.

7.2 Data in accordance with the ICC-ES Acceptance Criteria for Water-resistive Barriers (AC38), dated August 2016.

7.3 Intertek Listing Report "[R.H. Tamlyn & Sons TamlynWrap](#)", on the [Intertek Directory of Building Products](#).

8.0 IDENTIFICATION

The housewraps are identified with the manufacturer's name (Tamlyn), the product name (TamlynWrap® Elite or TamlynWrap® Home), the Intertek Mark as shown below, the Intertek Control Number and the Code Compliance Research Report number (CCRR-0520).



9.0 OTHER CODES

9.1 FLORIDA BUILDING CODE

The TamlynWrap® housewraps, described in Sections 2.0 through 7.0 of this Research Report, comply with the 2023 and 2020 *Florida Building Code – Building* and *Florida Building Code – Residential*, subject to the following conditions:

- Use of the housewraps 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 Research Report.

Intertek is an approved evaluation entity and quality assurance entity pursuant to Florida Statute 553.842 – *Product Evaluation and Approval*.





9.2 CALIFORNIA BUILDING CODE

The TamlynWrap® housewraps, described in Sections 2.0 through 7.0 of this Research Report, comply with the 2022 *California Building Code* and *California Residential Code*, subject to the following conditions:

- Use of the housewraps for compliance with the Wildland Urban Interface provisions of the *California Building Code* and *California Residential Code* has not been evaluated and is outside the scope of this Research Report.

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.

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TABLE 1A - PROPERTIES EVALUATED

PROPERTY	2024 IBC SECTION ¹	2024 IRC SECTION ¹	2024 IECC SECTION ¹
Alternative materials	104.2.3	R104.2.2	NA
Water-resistive barrier	1403.2	R703.2	NA
Air Barrier	NA	N1102.5.1	C402.6.2.3.1 R402.4
Exterior walls of Types I-IV construction	1402.6	NA	NA

¹Section numbers in earlier editions of the codes may differ

TABLE 2B - PROPERTIES EVALUATED

PROPERTY	2022 CBC SECTION ²	2022 CRC SECTION ²	2023 FBC – BUILDING SECTION ²	2023 FBC – RESIDENTIAL SECTION ²
Alternative materials	104.11	R104.11	104.11	R104.11
Water-resistive barrier	1403.2	R703.2	1404.2	R703.2
Air Barrier	NA	N1102.4.1	NA	NA
Exterior walls of Types I-IV construction	1402.5	NA	NA	NA

²Section numbers in earlier editions of the codes may differ