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ICC-ES Report

ESR-3670

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Reissued 07/2016

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DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
SECTION: 07 25 00—WATER-RESISTIVE BARRIERS/WEATHER BARRIERS
SECTION: 07 27 00—AIR BARRIERS

REPORT HOLDER:

R.H. TAMLYN & SONS LP

**13623 PIKE ROAD
STAFFORD, TEXAS 77477-5103**

EVALUATION SUBJECT:

TAMLYNWRAP™ DRAINABLE AND NONDRAINABLE HOUSEWRAP



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**DIVISION: 07 00 00—THERMAL AND MOISTURE
PROTECTION****Section: 07 25 00—Water-Resistive Barriers/Weather
Barriers****Section: 07 27 00—Air Barriers****REPORT HOLDER:****R.H. TAMLYN & SONS LP**
13623 PIKE ROAD
STAFFORD, TX 77477-5103
(281) 499-9604
(800) 384-1676
www.tamlynwrap.com**EVALUATION SUBJECT:****TAMLYNWRAP™ DRAINABLE AND NONDRAINABLE
HOUSEWRAP****1.0 EVALUATION SCOPE****1.1 Compliance with the following codes:**

- 2012, 2009 and 2006 *International Building Code*® (IBC)
- 2012, 2009 and 2006 *International Residential Code*® (IRC)
- 2012, 2009 and 2006 *International Energy Conservation Code*® (IECC)

Properties evaluated:

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

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

- 2013 California Green Building Standards Code (CALGreen), Title 24, Part 11
- 2012 and 2015 *International Green Construction Code*® (IgCC)
- 2011 and 2014 ANSI/ASHRAE/USGBC/IES Standard 189.1—Standard for the Design of High-Performance Green Buildings, Except Low-Rise Residential Buildings
- 2012 and 2008 ICC 700 *National Green Building Standard*™ (ICC 700-2012 and ICC 700-2008)

Attributes verified:

- See Section 3.1

2.0 USES

The TamlynWrap Drainable and Nondrainable Housewrap are used as alternatives to the water-resistive barrier specified in IBC Section 1404.2 and IRC Section R703.2, and are used as air barrier materials under IRC Section N1102.4.1 and 2012 IECC Sections C402.4 and R402.4 (2009 IECC Sections 402.4 and 502.4), when installed in all types of construction under the IBC and any construction permitted under the IRC. An exception is that recognition is limited to use in exterior walls of buildings having a maximum height of 40 feet (12.2 m) above grade plane under the 2012 IBC for buildings of Types I through IV construction.

The TamlynWrap Drainable and Nondrainable Housewrap is used as an alternative to the 60-minute Grade D building paper described in the exception to IBC Section 2510.6 and IRC Section R703.6.3, when installed in accordance with Section 4.1 and installed in buildings of Type VB construction under the IBC and any construction under the IRC.

3.0 DESCRIPTION**3.1 General:**

The TamlynWrap Drainable and Nondrainable Housewrap are nominally 17 mils thick (0.43 mm), 5 feet wide (1.52 m) and white in color. The TamlynWrap Drainable Housewrap also has nominally 0.06-inch-thick (1.5 mm) filaments on the exterior side.

The attributes of the TamlynWrap Drainable and Nondrainable Housewrap have been verified as conforming to the provisions of (i) CALGreen Section 5.407.1 for water-resistive barriers and Section A4.407.5 for air barriers; (ii) 2012 and 2015 IgCC Section 605.1.2.1 for air barriers; (iii) 2014 ASHRAE 189.1 Section 7.3.1.1 and 2011 ASHRAE 189.1 Section 7.4.2.9 for air barriers; (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.

3.2 Air Permeance:

The TamlynWrap Drainable and Nondrainable Housewrap have an air leakage rate of less than 0.02 L/(s·m²) @ 75 Pa

[0.004 cfm/ft² @ 0.3 inch w.g. (1.57 psf)] when tested in accordance with ASTM E2178.

3.3 Surface-burning Characteristics:

The TamlynWrap Drainable and Nondrainable Housewrap have a flame-spread index of less than 25 and a smoke-developed index of less than 450 when tested in accordance with ASTM E84.

4.0 INSTALLATION

4.1 General:

TamlynWrap Drainable and Nondrainable Housewrap must be installed over sheathing with minimum 6-inch (152 mm) horizontal overlaps and 6-inch (152 mm) vertical overlaps.

When used as an alternative to the 60-minute Grade D building paper over wood-based sheathing in exterior plaster applications, as described in the exception to IBC Section 2510.6 and IRC Section R703.6.3, the TamlynWrap Drainable Housewrap must be separated from the stucco by an intervening layer of EPS insulation board. The EPS insulation board must comply with ASTM C578 and have a minimum density of 1.5 pounds per cubic foot (24 kg/m³), and must be recognized in a current ICC-ES evaluation report for Type VB construction under the IBC and any construction under the IRC.

4.2 Air Barrier:

TamlynWrap Drainable and Nondrainable Housewrap, when used as an air barrier material, must be installed in accordance with the manufacturer's published installation instructions and this report.

5.0 CONDITIONS OF USE

The TamlynWrap Drainable and Nondrainable Housewrap 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 Installation must comply with this report, the manufacturer's published installation instructions and the applicable code. In the event of conflict between the manufacturer's published installation instructions and this report, this report governs.

5.2 The TamlynWrap Drainable and Nondrainable Housewrap must be covered by an exterior wall finish complying with the requirements of the applicable code.

5.3 The air leakage rate noted in Section 3.0 is for the TamlynWrap Drainable and Nondrainable Housewrap used as an air barrier material only. The design and evaluation of an air barrier assembly, of which this product is a component, is outside the scope of this report.

6.0 EVIDENCE SUBMITTED

6.1 Data in accordance with the ICC-ES Acceptance Criteria for Water-resistive Barriers (AC38), dated January 2013.

6.2 Reports of air permeability tests in accordance with ASTM E2178.

6.3 Reports of surface-burning characteristics testing in accordance with ASTM E84.

6.4 Reports of drainage tests in accordance with AC38 and ASTM E2273, applicable to TamlynWrap Drainable Housewrap.

7.0 IDENTIFICATION

The products described in this report are identified by a label on the container of each roll of material and by printing on the product, with the logo and web address of the report holder, the product name and the evaluation report number (ESR-3670).

ICC-ES Evaluation Report**ESR-3670 FBC Supplement**

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EVALUATION SUBJECT:**TAMLYNWRAP™ DRAINABLE AND NONDRAINABLE HOUSEWRAP****1.0 REPORT PURPOSE AND SCOPE****Purpose:**

The purpose of this evaluation report supplement is to indicate that the TamlynWrap™ Drainable and Nondrainable Housewrap, recognized in ICC-ES master report ESR-3670, has also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2014 and 2010 *Florida Building Code—Building*
- 2014 and 2010 *Florida Building Code—Residential*

2.0 CONCLUSIONS

The TamlynWrap™ Drainable and Nondrainable Housewrap, described in Sections 2.0 through 7.0 of the master evaluation report ESR-3670, complies with the 2014 and 2010 *Florida Building Code—Building* and the 2014 and 2010 *Florida Building Code—Residential*, provided the design and installation are in accordance with the *International Building Code*® provisions noted in the master report.

Use of the TamlynWrap™ Drainable and Nondrainable Housewrap has also been found to be in compliance with the High-Velocity Hurricane Zone provisions of the 2014 and 2010 *Florida Building Code—Building* and the 2014 and 2010 *Florida Building Code—Residential*.

For products falling under Florida Rule 9N-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 master report, Reissued July 2016.