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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 Barrier**

**REPORT HOLDER:**

HomeGuard Building Products Inc.  
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(904) 240-1382  
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**REPORT SUBJECT:**

Titan Protective Housewrap (HP and LP), HomeGuard Housewrap (65 gsm)

### 1.0 SCOPE OF EVALUATION

1.1 This Research Report addresses compliance with the following Codes:

- 2015 and 2012 *International Building Code*® (IBC)
- 2015 and 2012 *International Residential Code*® (IRC)
- 2015 and 2012 *International Energy Conservation Code*® (IECC)

NOTE: This report references 2015 Code sections with [2012] Code sections shown in brackets where they differ.

#### 1.2 Titan Protective Housewrap:

1.2.1 Titan Protective Housewrap has been evaluated for the following properties (see Table 1):

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

1.2.2 Titan Protective Housewrap has been evaluated for the following uses (see Table 1):

- Use as an alternative to the water-resistive barriers referenced in IBC Section 1404.2 and IRC Section 703.2
- Use as a water-resistive barrier referenced in IBC Section 2510.6 and IRC Section R703.6.3

- Use as an air barrier material under IRC Section N1102.4.1 and IECC Sections C402.5 [C402.4] and R402.5 [R402.4].

#### 1.3 HomeGuard Housewrap:

1.3.1 HomeGuard Housewrap has been evaluated for the follow property (see Table 1):

- Water-resistive barrier

1.3.2 HomeGuard Housewrap has been evaluated for the following uses (see Table 1):

- Use as an alternative to the water-resistive barriers referenced in IBC Section 1404.2 and IRC Section 703.2
- Use as a water-resistive barrier referenced in IBC Section 2510.6 and IRC Section R703.6.3

### 2.0 STATEMENT OF COMPLIANCE

Titan Protective Housewrap and HomeGuard Housewrap comply with the Codes listed in Section 1.1, and for the properties and uses stated in Sections 1.2 and 1.3, when installed as described in this report, including the Conditions of Use stated in Section 6.

### 3.0 DESCRIPTION

**3.1 Titan Protective Housewrap:** The non-perforated housewrap is available with a basis weight of 98 grams per square meter (gsm) in two configurations, designated as HP and LP. The housewrap complies with ASTM E2556 Type II.

**3.2 HomeGuard Housewrap:** The perforated Housewrap is available with a basis weight of 65 grams per square meter (gsm). The Housewrap complies with ASTM E2556 Type I.

### 4.0 PERFORMANCE CHARACTERISTICS

**4.1 Surface Burning Characteristics:** Titan Protective Housewrap (HP and LP) has a flame-spread index of 25 or less and a smoke-developed index of 450 when tested in accordance with ASTM E84.



**4.2 Water-vapor Permeability:** Titan Protective Housewrap HP has a permeance rating of 60 perms, and Titan Protective Housewrap LP has a permeance rating of 15 perms, when tested in accordance with ASTM E96 (Procedure A, desiccant method).

HomeGuard Housewrap has a permeance rating of 8.33 perms when tested in accordance with ASTM E96 (Procedure A, desiccant method).

**4.3 Air Permeability:** Titan Protective Housewrap (HP and LP) has an air leakage rate not exceeding 0.02L/s/m<sup>2</sup> at 75Pa when tested in accordance with ASTM E2178.

**4.4 Drainage Efficiency:** Titan Protective Housewrap HP has a drainage efficiency rating of 93%, when tested in accordance with ASTM E2273.

## 5.0 INSTALLATION

**5.1 General:** Titan Protective Housewrap and HomeGuard Housewrap 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, Titan Protective Housewrap and HomeGuard Housewrap must be installed as described in IBC Section 1404.2 and IRC Section R703.2, and in accordance with the manufacturer's published installation instructions.

Titan Protective Housewrap may be installed as a water-resistive barrier in exterior stucco applications over wood-based sheathing in accordance with the Exception to IBC Section 2510.6 and IRC Section R703.7.3.

Homeguard Housewrap may be installed as a water-resistive barrier in exterior stucco applications over wood-based sheathing, provided two layers of the housewrap are installed in accordance with IBC Section 2510.6 and IRC Section R703.7.3.

**5.3 Air Barrier Application:** When used as an air barrier material, Titan Protective Housewrap (HP and LP) must be installed as described in IRC Section N1102.4.1, or IECC Sections C402.5 [C402.4] or R402.5 [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:** Use of Titan Protective Housewrap (HP and LP) on exterior walls of Types I, II, III, and IV Construction is limited to buildings 40 feet or less in height above grade plane.

## 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 membranes must be covered in accordance with the manufacturer's installation instructions with an approved exterior wall covering complying with the applicable Code.

**6.3** Titan Protective Housewrap and HomeGuard Housewrap are manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc. (AA-647).

## 7.0 SUPPORTING EVIDENCE

**7.1** Reports of tests in accordance with ASTM E84, ASTM E2178, ASTM E2273, and ASTM E2556.

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

**7.3** Intertek Listing Report "HomeGuard – Titan Protective Housewrap", on the [Intertek Directory of Building Products](#).

## 8.0 IDENTIFICATION

The Titan Protective Housewrap and HomeGuard Housewrap are identified with the manufacturer's name (HomeGuard Building Products, Inc.), address and telephone number, the product name (Titan Protective Housewrap, HomeGuard Housewrap), the Intertek Mark as shown below, and the Code Compliance Research Report number (CCRR-1092).





## 9.0 OTHER CODES

This section is not applicable.

## 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 1 - PROPERTIES EVALUATED

PROPERTY	IBC SECTION <sup>1</sup>	IRC SECTION <sup>1</sup>	IECC Section <sup>1</sup>
Water-Resistive Barrier	1404.2, 2510.6	R703.2, R703.6.3	NA
Air Barrier	NA	N1102.4.1	C402.5 [C402.4], R402.5 [R402.4]
Exterior Walls of Types I-IV Construction	1403.5	NA	NA

<sup>1</sup> Section numbers in parentheses refer to the 2012 Codes, where different.

