



DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION

Section: 07 25 00—Water-Resistive Barriers/Weather Barriers

REPORT HOLDER:

QINGDAO G & E BIO-POLYTEX COMPANY, LTD.

ADDITIONAL LISTEES:

PRIME SOURCE BUILDING PRODUCTS, INC.

TECH WRAP, LLC

EVALUATION SUBJECT:

G & E WATER-RESISTIVE BARRIERS: G & E HOUSEGUARD, G & E HOUSEGUARD2, G & E HOUSEGUARD-E, EASYGARD, EASYGARD2, AND CODEWRAP

1.0 EVALUATION SCOPE

1.1 Compliance with the following code:

- 2015, 2012, 2009 and 2006 *International Building Code*® (IBC)
- 2015, 2012, 2009 and 2006 *International Residential Code*® (IRC)
- 2013 *Abu Dhabi International Building Code* (ADIBC)[†]

[†]The ADIBC is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

Properties evaluated:

- Water resistance
- Surface-burning characteristics

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

- 2019 California Green Building Standards Code (CALGreen), Title 24, Part 11
- 2015, 2012 and 2008 ICC 700 *National Green Building Standard*[™] (ICC 700-2015, ICC 700-2012 and ICC 700-2008)

Attributes verified:

See Section 3.0

2.0 USES

G & E Houseguard, G & E Houseguard2, G & E Houseguard-E, EasyGard, EasyGard2, and CodeWrap are used as water-resistive barriers on the exterior side of

exterior walls of buildings of all construction types under the IBC and the IRC. The membranes are alternatives to the water-resistive barriers required in IBC Section 1404.2 and IRC Section R703.2. The products are also considered equivalent to a Grade D paper in accordance with 2012, 2009 and 2006 IBC Section 2510.6, 2015 IRC Section R703.7.3, and 2012, 2009 and 2006 IRC Section R703.6.3.

3.0 DESCRIPTION

The G & E Houseguard, G & E Houseguard2, EasyGard, EasyGard2, and CodeWrap membranes are made of high-density polyolefin woven fabric that is coated on both sides with a low-density polyolefin coating.

The G & E Houseguard-E membrane is made of high-density polyolefin woven fabric that is coated on one side with a low-density polyolefin coating.

The membranes are available in rolls of varying sizes. The G & E Houseguard, G & E Houseguard2, EasyGard, EasyGard2, and CodeWrap membranes have a flame-spread index of 25 or less and a maximum smoke-developed index not exceeding 450, when tested in accordance with ASTM E84 (UL 723).

The attributes of the water-resistive barriers have been verified as conforming to the provisions of (i) CALGreen Section 5.407.1 and (ii) ICC 700-2015 Section 602.1.8, 11.602.1.8 and 12.6.602.1.8; (iii) ICC 700-2012 Section 602.1.8, 11.602.1.8 and 12.5.602.1.8; and (iv) 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 INSTALLATION

The membranes must be installed after wall framing and sheathing are installed in accordance with the applicable code, and before windows and doors are installed. The roll must be placed a minimum of 3 inches (76 mm) from the starting corner and fastened to wood framing with corrosion-resistant nails having 1-inch-diameter (25.4 mm) plastic head caps; or to steel framing with corrosion-resistant, minimum No. 7, Type S screws with 1-inch-diameter (25.4 mm) plastic washers. The membrane is unrolled around the building and fastened into each vertical stud line with fasteners spaced between

12 and 18 inches (305 to 457 mm), and into top and bottom sill plates with fasteners spaced 8 inches (203 mm) on center. The printed side must be installed facing the outside. A minimum overlap of 8 inches (203 mm) must be provided for vertical and 6 inches (152 mm) for horizontal seams. Inside and outside corners must be wrapped a minimum of 8 inches (203 mm) to create a double layer at all corners. When used over wood-based sheathing in exterior plaster applications, two layers of the product must be applied over sheathing or installation must be in accordance with the exception to 2012, 2009 and 2006 IBC Section 2510.6, 2015 IRC Section R703.7.3 or 2012, 2009 and 2006 IRC Section R703.6.3, as applicable.

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

5.0 CONDITIONS OF USE

The G & E Houseguard, G & E Houseguard2, G & E Houseguard-E, EasyGard, EasyGard2, and CodeWrap 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 The membranes must be covered in accordance with the company's installation instructions with an approved exterior wall covering complying with the applicable code.
- 5.2 Under the 2015 and 2012 IBC, the G & E Houseguard, G & E Houseguard2, EasyGard, EasyGard2, and CodeWrap membranes are limited use on exterior walls of buildings of Types I, II, III, and IV Construction with a height of 40 feet (12.2 m) or less above grade plane. Under the 2009 and 2006 IBC, the G & E Houseguard, G & E Houseguard2, EasyGard, EasyGard2, and CodeWrap membranes may be used on exterior walls of buildings of Types I, II, III, and IV Construction in all building heights.
- 5.3 The G & E Houseguard-E membrane is limited to use on building of Type V Construction.
- 5.4 The G & E membranes are manufactured under a quality control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with the ICC-ES Acceptance Criteria for Water-resistive Barriers (AC38), Approved August 2016.
- 6.2 Report of testing in accordance with ASTM E84 (UL 723).

7.0 IDENTIFICATION

- 7.1 The G & E membranes are identified by a label or stamp, at regular intervals, bearing the manufacturer's name (Qingdao G & E Bio-Polytex Co., Ltd.), the product name, the manufacturing location (Laixi City, Qingdao, China), and the evaluation report number (ESR-2252).

Alternatively, the products described in this report are marked by a label bearing the additional listee's brand name (Prime Source Water-resistive Barrier or Tech-Wrap House-wrap Water-resistive Barrier), the product name (See Table 1 of this report), the manufacturing location (Laixi City, Qingdao, China), and the evaluation report number (ESR-2252).

- 7.2 The report holder's contact information is the following:

QINGDAO G & E BIO-POLYTEX COMPANY, LTD.
GONG YE YUAN QU, JIANG SHAN TOWN
LAIXI CITY, QINGDAO 2660603
CHINA
(86) 532-5565-1993
www.gdgne.com

- 7.3 The additional listees' contact information is the following:

PRIME SOURCE BUILDING PRODUCTS, INC.
1321 GREENWAY DRIVE
IRVING, TEXAS 75038-2504
(972) 999-8500

TECH WRAP, LLC
215 ANTIOCH CUTOFF ROAD
DALTON, GEORGIA 30721
(706) 275-0512

TABLE 1—COMPANY NAME, BRAND NAME AND PRODUCT NAME CORRELATION

COMPANY	Qingdao G & E Bio-Polytex Company, Ltd.	Prime Source Building Products, Inc.	Tech Wrap, LLC
BRAND NAME	G & E Water-resistive Barriers	Prime Source Water-resistive Barrier	Tech-Wrap House-wrap Water-resistive Barrier
PRODUCT NAME	G & E Houseguard	-	-
	G & E Houseguard2	Grip Rite® Commercial Grade Weather-Barrier	-
	G & E Houseguard-E	-	Tech-Wrap™ House-wrap
	EasyGard	-	-
	EasyGard2	Grip Rite® Commercial Grade Weather-Barrier	-
	CodeWrap	-	-