

ICC-ES Evaluation Report

ESR-2252

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A Subsidiary of the International Code Council®

**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.
GONG YE YUAN QU, JIANG SHAN TOWN
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CHINA
(86) 532-8788-1784
www.gyoha.com.cn****ADDITIONAL LISTEE:****PRIME SOURCE BUILDING PRODUCTS, INC.
2115 EAST BELTLINE ROAD
CARROLLTON, TEXAS 75006
(508) 436-6100****EVALUATION SUBJECT:****G & E WATER-RESISTIVE BARRIERS: G & E
HOUSEGUARD, G & E HOUSEGUARD2, EASYGARD,
EASYGARD2, AND CODEWRAP; PRIMESOURCE
WATER-RESISTIVE BARRIER: GRIP RITE® COMMERCIAL
GRADE WEATHER BARRIER****1.0 EVALUATION SCOPE****Compliance with the following codes:**

- 2006 *International Building Code*® (IBC)
- 2006 *International Residential Code*® (IRC)
- Other Codes (see Section 8.0)

Properties evaluated:

- Water resistance
- Surface-burning characteristics

2.0 USES

G & E Houseguard, G & E Houseguard2, EasyGard, EasyGard2, CodeWrap and Grip Rite® Commercial Grade Weather Barrier 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 IBC Section 2510.6 and IRC Section R703.6.3.

3.0 DESCRIPTION

The membranes are made of high-density polyethylene (HDPE) woven fabric that is coated on both sides with low-density polyethylene coating. The membranes have a nominal thickness of 0.005 inch (0.12 mm) and a basis weight of 2.9 oz/yd² (98 g/m²) for G & E Houseguard2, EasyGard2 and Grip Rite® Commercial Grade Weather Barrier; and 2.18 oz/yd² (74 g/m²) for G & E Houseguard, EasyGard, and CodeWrap. The membranes are available in rolls of varying sizes. The G & E 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 E 84.

4.0 INSTALLATION

The membranes must be installed after wall framing is completed 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 framing with minimum No. 12 gage corrosion-resistant G & E Houseguard plastic washer head nails or No. 16 gage corrosion-resistant staples with minimum 1-inch (25.4 mm) crowns. The membrane is unrolled around the building and fastened with nails or staples spaced between 12 and 18 inches (305 to 457 mm) at each vertical stud line, top and bottom plate. A minimum overlap of 6 inches (152 mm) must be provided for both vertical and horizontal seams. 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 IBC Section 2510.6 or Section R703.6.3 of the IRC, 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, EasyGard, EasyGard2, CodeWrap and Grip Rite® Commercial Grade Weather Barrier 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 manufacturer's published installation instructions and this report must be strictly adhered to. In the event of a conflict between this report and the manufacturer's published installation instructions, this report governs.

- 5.2 The membranes must be covered in accordance with the company installation instructions with an approved exterior wall covering complying with the applicable code.

6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with the ICC-ES Acceptance Criteria for Water-resistive Barriers (AC308), dated February 2008.
- 6.2 Report of tests in accordance with ASTM E 84.

7.0 IDENTIFICATION

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. or Prime Source Building Products, Inc.), the product name, the manufacturing location and the evaluation number (ESR-2252).

8.0 OTHER CODES

8.1 Evaluation Scope:

The membranes were also evaluated for compliance with the requirements of the 1997 *Uniform Building Code*TM (UBC).

8.2 Uses:

See Section 2.0, except the product has been evaluated for Type V-N construction under the UBC. The G & E membranes are equivalent to Grade D building paper as described in UBC Standard 14-1.

8.3 Description:

See Section 3.0.

8.4 Installation:

See Section 4.0. When use is over wood-based sheathing in exterior plaster applications, two layers of the membranes must be applied over the sheathing, in accordance with Section 2506.4 of the UBC.

8.5 Conditions of Use:

The G & E membranes described in this report comply with, or are suitable alternatives to what is specified in, the UBC, subject to the conditions noted in Section 5.0.

8.6 Evidence Submitted:

See Section 6.0.

8.7 Identification:

See Section 7.0.