

# TEXAS DEPARTMENT OF INSURANCE

Engineering Services / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104  
Phone No. (512) 322-2212 Fax No. (512) 463-6693

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## PRODUCT EVALUATION SHU-195

Effective June 1, 2011

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **July 2015**.*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code and the Texas Engineering Practice Act.*

**GPP Fabric Shutter Series 2000, Impact Resistant**, manufactured by

**Global Protection Products, LLC**  
**D/B/A Atrium Windows and Doors**  
**4800 S.W. 51 Street**  
**Davie, FL 33314**  
**(954) 689-7545**

will be accepted for use in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with this product evaluation and with design drawings that are referenced in this evaluation report.

## PRODUCT DESCRIPTION

The GPP Series 2000 is a fabric shutter system. The system may be installed on new or existing construction. The fabric storm panel system consists of the following component:

**Fabric:** The fabric is a 3-ply fabric made from high density polyethylene tapes, coated on two sides with low density polyethylene, Model X719N1N1, manufactured by Fabrene Inc., with 3 inch to 3 1/4 inch hemmed edges at top and bottom ends. The hemmed edges are stitched in accordance with Detail X on sheet 3 of the approved drawings.

**Product Identification:** Each fabric panel shall have a label that identifies the manufacturer, the name of the product, and compliance with ASTM E330, ASTM E 1886, and ASTM E 1996.

## LIMITATIONS

**Design Drawings:** The fabric shutters shall be installed in accordance with Global Protection Products, LLC. DBA – Atrium Windows and Doors Drawing 11-013, sheets 1-15 of 15, signed and sealed by Walter A. Tillit, Jr., P.E., on February 18, 2011. The stated drawings will be referred to as “approved drawings” in this evaluation report. A copy of the approved drawings shall be available at the job site.

**Wall Construction:** The fabric shutters may be mounted to the following types of wall framing: concrete, grout-filled masonry, hollow block and wood. The minimum material property value of the substrate is a function of the type of fastener used to anchor the fabric shutter. Refer to the anchor schedules on sheets 14 and 15 of the approved drawings.

**Anchors:** Refer to pages 14 and 15 of the approved drawings for the type of anchors that may be used to secure the fabric shutters. The anchor schedules indicate the minimum embedment depth for the fasteners and the minimum edge distances (minimum distance fastener must be from the edge of the substrate material) for the fasteners.

**Design Pressure Rating:** The maximum allowable design pressure rating is  $\pm 75$  psf. Refer to sheet 13 of the approved drawings.

**Panel Width:** The maximum allowable panel width is 12'-0". Refer to sheet 13 of the approved drawings.

**Panel Span:** The maximum allowable panel span is 12'-7". Refer to sheet 13 of the approved drawings.

**Separation Distance from Glazed Openings:** The fabric panels shall be separated as specified in Schedule 2 on sheet 13 of the approved drawings.

**Impact Resistance:** This assembly satisfies the Texas Department of Insurance's criteria for protection from windborne debris in both the **Inland I zone** and the **Seaward zone**. The fabric shutters passed Missile Level D specified in ASTM E 1886-05/1996-05. The fabric shutter assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

### INSTALLATION INSTRUCTIONS

**Installation Requirements:** The fabric storm panels shall be installed in accordance with manufacturer's installation instructions, the approved drawings, and this product evaluation report.

**Note:** The manufacturer's installation instructions and the approved drawings shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.