

# TEXAS DEPARTMENT OF INSURANCE

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## PRODUCT EVALUATION SHU-102

Effective January 1, 2004  
Revised June 1, 2004

*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 3 years after the effective date.*

*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.*

**Fabric-Shield™ Fabric Storm Panels** manufactured by

**Wayne-Dalton Corp.**  
**3395 Addison Drive**  
**Pensacola, FL 32514**  
**(850) 474-9890**

will be accepted for use in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's instructions, Drawing No. 04-133-001a, titled "Fabric Storm Panel", sheets 1 and 2, and prepared and signed by Frank Bennardo, P.E. on April 21, 2004, with latest revision date of March 23, 2004, and this product evaluation. The stated drawings will be referred to as approved drawings in this report.

### PRODUCT DESCRIPTION

The Fabric-Shield™ fabric storm panels are impact resistant. Fabric-Shield™ fabric storm panels are not a permanently mounted impact protective system. The fabric storm panel is a 0.037" thick PVC coated woven polyester fabric sheet. Fabric sheets and components shall have minimum properties and be assembled as specified in the approved drawings. All panels shall be permanently labeled with the manufacturer's name and the referenced approved drawings.

### LIMITATIONS

**Design pressures and Maximum Sizes:** The panel span is the distance between the rows of fasteners.

Maximum Allowable Span (inches)	Minimum Allowable Span (inches)	Design Pressures (psf)
110 $\frac{7}{8}$	12	+62, -66

**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 shutter assemblies passed Missile Level C specified in ASTM E 1996-99. The shutter assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

**Acceptance of Smaller Assemblies:** Screen assemblies with dimensions equal to or smaller than those specified above and specified in the approved drawings are acceptable within the limitations specified in this report.

## INSTALLATION INSTRUCTIONS

### **General Installation Requirements:**

The screen assemblies shall be installed in accordance with the manufacturer's installation instructions and the approved drawings. The system shall be mounted to a wood framing or masonry opening. The wood framing shall be minimum SYP. Grommets shall be spaced a maximum of 12" o.c. A fastener shall be provided for each grommet.

**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) and the International Building Code (IBC).