

# TEXAS DEPARTMENT OF INSURANCE

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## PRODUCT EVALUATION SHU-200

Effective January 1, 2012

*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 **October 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.*

**Storm Smart Wind Abatement System, Impact Resistant**, manufactured by

**Storm Smart Industries**  
**6182 Idlewild Street**  
**Fort Myers, FL 33966**  
**(888) 962-7283**

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 Storm Catcher Wind Abatement Screen is a flexible wind abatement and impact protection system using a woven polypropylene monofilament geotextile fabric with individual filaments woven into a basket weave network and calendered such that the filaments retain dimensional stability relative to each other. The screen shall be constructed as specified in the approved drawings.

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

## LIMITATIONS

**Design Drawings:** The wind abatement system shall be installed in accordance with Storm Smart Industries Drawing SSI0002, Revision A (8-31-2011), pages 1-17 of 17, dated December 14, 2010. Each sheet is signed and sealed by Robert James Amoruso, P.E. on August 31, 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 Framing Construction:** The wind abatement system may be mounted to several types of wall framing construction (refer to page 2 of the approved design drawings along with the anchor schedules). The types of wall framing construction allowed included concrete, filled CMU, hollow concrete block, and wood dimension lumber (minimum Southern Pine). Steel or aluminum build-ins/build-outs may be employed as shown on the approved drawings.

**Anchors:** Refer to the fastener schedules on the approved drawings for the type of anchors that may be used. Page 2 of the approved drawings indicates the minimum embedment depths for the fasteners and the minimum edge distances (minimum distance fastener must be from the edge of the substrate material) for the fasteners.

**Maximum Design Pressure Rating:**  $\pm 100$  psf

**Screen Width:** The wind abatement system dimension (non-span length on approved drawings) parallel to the rows of grommets or strap system. This dimension is limited to 38'-6". Refer to the approved drawings for anchoring the grommet seam and strap systems.

**Screen Span:** The maximum distance between rows of grommets or strap system. This dimension is limited to 13'-0". Note: The wind abatement system may be installed horizontally or vertically. Therefore, the panel span may be either a vertical dimension or a horizontal dimension. Refer to the approved drawings for the maximum span length.

**Separation Distance from Glazed Openings:** The installation of the wind abatement system shall consider the screen fabric deflections shown in screen deflection table on page 2 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 wind abatement system passed Missile Level D specified in ASTM E 1886-05 and 1996-05. The wind abatement system 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 wind abatement system 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.