

# TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104  
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**PRODUCT EVALUATION**  
WIN-1539

Effective February 1, 2012  
Reevaluation Date: **February 2014**

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 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.

**Aeolus 830 Vinyl Horizontal Slider Composite Windows, Non-impact Resistant**, manufactured by  
**Mercer Windows**  
10760 S.W. Denney Road  
Beaverton, Oregon 97008  
Telephone: (503) 526-3680

## General Description:

| System | Description   | Label Rating           | Design Pressure Rating |
|--------|---|------------------------|------------------------|
| 1      | Aeolus 830 Vinyl Horizontal Slider Composite Windows; (O/XOX) | HS-C45 120 x 72 (MULL) | ± 45 psf               |

## Product Dimensions:

| System | Overall Size | Operable Sash Size  | Fixed Sash Daylight Opening Size   | Fixed Window Daylight Opening Size                                   |
|--------|--------------|---|--|--|
| 1      | 120" x 72"   | Two: 29 <sup>5</sup> / <sub>16</sub> " x 20 <sup>1</sup> / <sub>4</sub> " | One: 56 <sup>7</sup> / <sub>8</sub> " x 19 <sup>1</sup> / <sub>4</sub> " | 115 <sup>1</sup> / <sub>2</sub> " x 43 <sup>1</sup> / <sub>4</sub> " |

## Product Identification (Certification Agency Label on Window):

| System | Certification Agency             | AAMA                            |
|--------|----------------------------------|---------------------------------|
| 1      | Manufacturer's Name or Code Name | MER-1                           |
|        | Product Name                     | Aeolus 830 HS Composite         |
|        | Test Standards                   | AAMA/WDMA/CSA 101/I.S.2/A440-05 |

## Impact Resistance:

| Impact Resistant | Requirement  |
|------------------|--|
| No               | Impact protective system required when product is installed in areas where windborne debris protection is required |

**Installation:**

| System |                           |  |
|--------|---------------------------|--|
| 1      | Type of Installation      | New Construction – Nailing Flange  |
|        | Wall Framing              | Southern Yellow Pine   |
|        | Fasteners                 | Minimum No. 8x2" Screws  |
|        | Fastener Location/Spacing | Approximately 4 inches from each corner and approximately 8 inches on center along the perimeter |
|        | Fastener Penetration      | Minimum of 1 ½ inches into the wall framing members  |

**Note:** The manufacturer's installation instructions 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) and the Texas Revisions.