

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-1541

Effective February 1, 2012
Reevaluation Date: **March 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 Single Hung 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 Single Hung Windows; (O/X)	H-C55 56 x 91	± 55 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Daylight Opening Size
1	56" x 90 $\frac{3}{4}$ "	52 $\frac{1}{4}$ " x 45 $\frac{3}{8}$ "	51 $\frac{1}{2}$ " x 41 $\frac{5}{8}$ "

Product Identification (Certification Agency Label on Window):

System	Certification Agency	AAMA
1	Manufacturer's Name or Code Name	MER-1
	Product Name	Aeolus 830 SH
	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	Type of Installation	New Construction – Nailing Flange
1	Wall Framing	Spruce-Pine-Fir
	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 $\frac{1}{2}$ 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.