



Product Evaluation

WIN134 | 1015

Engineering Services Program

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.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: WIN-134

Effective Date: October 1, 2015

Re-evaluation Date: July 2017

Product Name: Series 8200 Thermally Broken Aluminum Single Hung Windows, Individual and Twin Mullled, New and Replacement Construction, Non-Impact Resistant

Manufacturer: Don Young Company
8181 Ambassador Row
Dallas, Texas 75247
Telephone: (214) 630-0934

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 8200 Thermally Broken Aluminum Single Hung Windows, Individual; (O/X)	H-C50 44 x 80	±50 psf
2	Series 8200 Thermally Broken Aluminum Single Hung Windows, Twin; (O/X.O/X)	Each Window: H-C50 44 x 80	± 50 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Sash Daylight Opening Size
1	44.00" x 80.00"	41.50" x 40.06"	39.56" x 36.56"
2	Each: 44.00" x 80.00"	Each: 41.50" x 40.06"	Each: 39.56" x 36.56"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	AAMA
	Manufacturer's Name or Code Name	DY-1
	Product Name	Series 8200 SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	DY-1
	Product Name	Series 8200 SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05

Impact Resistance:

System	Impact Resistant	Requirement
1, 2	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1	Type of Installation	Replacement Window-Frame
	Wall Framing	Spruce-Pine-Fir
	Fasteners	Minimum No. 10 X 2-1/2" screws Minimum 2" x 0.120 smooth shank nails
	Fastener Location/Spacing	Along the head, four fasteners are required. One fastener must be located approximately 3" from each end and two fasteners must be evenly spaced between them. Along each side jamb, a minimum of six fasteners are required. One fastener must be located approximately 6" from the top and bottom, one fastener must be located approximately 6" above and below the interlock, and one fastener must be located at the mid-span of the window.
	Fastener Penetration	The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.
1	Type of Installation	New Construction – Nailing Fin
	Wall Framing	Spruce-Pine-Fir
	Fasteners	minimum 0.120" x 2-3/8" smooth shank nails
	Fastener Location/Spacing	The window assembly must be fastened to the wood wall framing members using the window frame nailing fin with minimum 0.120" x 2" smooth shank nails. The fasteners must be located approximately 4" from each corner and approximately 8" on center along the perimeter of the window. The fasteners must be long enough to penetrate a minimum of 1".
	Fastener Penetration	Minimum of 1-7/8" into the wall framing members

Installation (continued):

System		
2	Type of Installation	Replacement Construction - Frame
	Wall Framing	Spruce-Pine-Fir
	Fasteners	Minimum No. 10 x 2-1/2" Screws
	Fastener Location/Spacing	The window side jambs shall be secured to the aluminum mullion (2.872" x 1.750") using an aluminum mullion clip. The mullion clip is secured to the mullion with minimum No. 10 x 7/8" screws spaced approximately 4" from each end and approximately 12" on center. An aluminum mullion bracket (1 1/2" x 1-1/2" x 1-1/8") is secured to each end of the mullion with two No. 10 x 5/8" screws. The bracket is secured to the wall framing at the head and the sill with four No. 10 x 1-1/2" screws. The window assembly must be fastened to the wood wall framing members using the window frame head and side jambs with minimum No. 10 x 2" screws. Along the head, four fasteners are required for each window. One fastener must be located approximately 3" from each end and two fasteners must be evenly spaced between them. Along each side jamb, a minimum of six fasteners are required. One fastener must be located approximately 6" from the top and bottom, one fastener must be located approximately 6" above and below the interlock, and one fastener must be located at the mid-span of the window.
	Fastener Penetration	Minimum of 1-7/8" into the wall framing members
2	Type of Installation	New Construction Window
	Wall Framing	Spruce-Pine-Fir
	Fasteners	minimum No. 10 x 7/8"
	Fastener Location/Spacing	The window side jambs must be secured to the aluminum mullion (2.872" x 1.750") using an aluminum mullion clip. The mullion clip is secured to the mullion with minimum No. 10 x 7/8" screws spaced approximately 4" from each end and approximately 12" on center. An aluminum mullion bracket (1-1/2" x 11/2" x 1) is secured to each end of the mullion with two No. 10 x 5/8" screws. The bracket is secured to the wall framing at the head and the sill with four No. 10 x 1" screws. The window assembly must be fastened to the wood wall framing members using the window frame nailing fin with minimum 0.120" x 2" smooth shank nails. The fasteners must be located approximately 4" from each corner and approximately 8" on center along the perimeter of the window.
	Fastener Penetration	The fasteners must be long enough to penetrate a minimum of 1-7/8" into the wall framing.

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.