

Product Evaluation

WIN2533 | 0121

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 1-800-248-6032.

Evaluation ID: WIN-2533

Effective Date: January 1, 2021

Re-evaluation Date: May 2023

Product Name: Integrity Ultrex Direct Glaze Fiberglass Clad Wood Fixed Window, Non-Impact Resistant

Manufacturer: Integrity Windows and Doors
1320 9th Street NE
West Fargo, ND 58078
(800) 587-2712

General Description:

System	Description	Label rating	Design pressure rating
1	Integrity Ultrex Direct Glaze Fiberglass Clad Wood Fixed Window	CW-PG50 (72 x 72)-FW	+50 / -50 psf
2	Integrity Ultrex Direct Glaze Fiberglass Clad Wood Fixed Window	CW-PG50 (84 x 84)-FW	+50 / -50 psf

Product Dimensions:

System	Overall size	Fixed glass daylight opening size
1	72" x 72"	67-5/8" x 67-5/8"
2	84" x 84"	79-5/8" x 79-5/8"

Product Identification (Certification Label on Window):

System		
1-2	Certification agency	WDMA
	Manufacturer's name or code name	Integrity Windows and Doors
	Product name	Integrity Direct Glaze
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11,-17

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 (one of the following):**Nail Fin Installation (System 1 and 2):**

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using a nailing flange. The nailing flange is secured to the wall framing with minimum 2" long, 11-gauge, smooth shank roofing nails. The fasteners must be spaced approximately 6" from each corner and 7" on center along the perimeter of the window. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Frame Installation (System 2):

The wood framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly must be secured to the wall framing using minimum No. 8-18 x 3-1/8" trim head screws spaced approximately 4" from each corner and 12" on center. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Frame-Clip Installation (System 2):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly must be secured to the wall framing using installation clips. The clips must be made of galvanized sheet metal and must be minimum 4.75" long, 1.562" wide, 0.050" thick. Clips must be secured to the window frame using two minimum No. 7 x 5/8" screws and secured to the wall framing using three minimum 1-1/4" drywall screws. Locate the clips at the midspan of the head and side jambs. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

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