



Product Evaluation

WIN1949 | 1214

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-1949

Effective Date: December 1, 2014

Re-evaluation Date: August 2016

Product Name: 3000 Aluminum Fixed Windows, Large Missile Impact Rated, Impact Resistant

Manufacturer: WinDoor Incorporated
7500 Amsterdam Drive
Orlando, FL 32832
(407) 481-8400
www.windoorinc.com

General Description:

System	Description	Label Rating	Design Pressure Rating
1	3000 Aluminum Impact Fixed; Equal Leg and Flange	CW-PG100 53 x 96-FW Missile Level D; DP +100/-110	+100 / -110 psf
2	3000 Aluminum Impact Fixed; Equal Leg and Flange	CW-PG100 72 x 72-FW Missile Level D; DP +100/-120	+100 / -120 psf
3	3000 Aluminum Impact Fixed; Equal Leg and Flange	CW-PG100 60 x 96-FW Missile Level D; DP +/-90	+90 / -90 psf

Product Dimensions:

System	Overall Size
1	53.00" x 96.00"
2	72.00" x 72.00"
3	60.00" x 96.00"

Product Identification (Certification Agency Label on Window):

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	WinDoor, Inc. CAR 167-1035; CAR 167-546
	Product Name	3000 Aluminum Impact EL/FL Fixed
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08; ASTM E 1886-02/04/05; ASTM E1996-02/04/06/09; Missile Level D
2	Certification Agency	Keystone
	Manufacturer's Name or Code Name	WinDoor, Inc. CAR 167-1034; CAR 167-545
	Product Name	3000 Aluminum Impact EL/FL Fixed
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08; ASTM E 1886-02/04/05; ASTM E1996-02/04/06/09; Missile Level D
3	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 167-524; CAR 167-788
	Product Name	3000 Aluminum Impact EL/FL Fixed
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08; ASTM E 1886-02/04/05; ASTM E1996-02/04/06/09; Missile Level D

Impact Resistance:

Impact Resistant	Requirement
Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone . Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Installation:

Design Drawings: Use one of the following drawings:

- **Systems 1 and 2:** Drawing No. 08-02208, titled "3000 Aluminum Fixed Window Impact SGP – Equal Leg and Flange," sheets 1 through 8 of 8, dated August 22, 2013, signed and sealed by Luis R. Lomas., P.E on August 22, 2013. This evaluation report refers to the stated drawings as the approved drawings.
- **System 3:** Drawing No. 08-01981, titled "3000 Aluminum Fixed Window PVB Equal Leg and Frame – Large & Small Impact," sheets 1 through 7 of 7, dated August 22, 2013, signed and sealed by Luis R. Lomas., P.E on August 22, 2013. This evaluation report refers to the stated drawings as the approved drawings.

Wall Framing Construction: Mount the windows to several types of wall framing construction. The types of wall framing construction allowed as specified on the approved drawings, include:

- Concrete (minimum compressive strength: 3,192 psi)
- Hollow concrete block; ASTM C-90
- Wood dimension lumber (minimum Spruce-Pine-Fir)
- Steel (16 gauge, 33 ksi)
- Aluminum (6063-T5 , minimum 0.125")

Installation Details:

Systems 1 and 2:

- Refer to Sheets 1 of 8 through 8 of 8 of the approved drawings for notes, anchor locations, and installation details.

System 3:

- Refer to Sheets 1 of 7 through 7 of 7 of the approved drawings for notes, anchor locations, and installation details.

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