

Product Evaluation

WIN2225 | 0823

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-2225

Effective Date: August 1, 2023

Re-evaluation Date: April 2024

Product Name: Series 8300 Vinyl Fixed Windows, Fin and Frame Installation, Impact Resistant

Manufacturer: Custom Window Systems
1900 SW 44th Avenue
Ocala, FL 34474
(352) 368-6922

General Description:

| System | Description | Label Rating | Design Pressure Rating |
|--------|---|---|------------------------|
| 1 | Series 8300 Vinyl Fixed Windows Fin Installed | LC-PG55 (36 x 72)-FW Missile Level D | +55 / -55 psf |
| 2 | Series 8300 Vinyl Fixed Windows Frame Installed | R-PG55 (36 x 72)-FW Missile Level D | +55 / -55 psf |
| 3 | Series 8300 Vinyl Fixed Windows Fin or Frame Installed | R-PG50 (48 x 60)-FW Missile Level D | +50 / -50 psf |
| 4 | Series 8300 Vinyl Fixed Windows Fin or Frame Installed | FW-HC55 (48 x 72) Missile Level D | +55 / -55 psf |
| 5 | Series 8300 Vinyl Fixed Windows Fin or Frame Installed | LC-PG65 (72 x 76)-FW Missile Level D | +65 / -65 psf |

General Description (continued):

| System | Description | Label Rating | Design Pressure Rating |
|--------|---|--------------------------------------|------------------------|
| 6 | Series 8300 Vinyl Fixed Windows Fin or Frame Installed | FW-HC65 (72 x 76) Missile Level D | +67.5 / -67.5 psf |
| 7 | Series 8300 Vinyl Fixed Windows Frame Installed | FW-R70 (120 x 48) Missile Level D | +70 / -70 psf |

Product Dimensions:

| System | Overall Size | Fixed Sash Daylight Opening Size |
|--------|--------------|----------------------------------|
| 1-2 | 36" x 72" | 33-1/8" x 69-1/8" |
| 3 | 48" x 60" | 45-1/8" x 57-1/8" |
| 4 | 48" x 72" | 45-1/8" x 69-1/8" |
| 5 | 72" x 76" | 71" x 75" |
| 6 | 72" x 76" | 69-1/8" x 73-1/8" |
| 7 | 120" x 48" | 118" x 46" |

Product Identification (Certification Label on Window):

| System | | |
|--------|----------------------------------|---|
| 1 | Certification Agency | Keystone |
| | Manufacturer's Name or Code Name | CAR# 138-1094 (Structural) CAR# 138-535 (Impact) |
| | Product Name | 8300 PVC Fin Frame Imp Fixed |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E1886-05/E1996-05,09; Missile Level D |
| 2 | Certification Agency | Keystone |
| | Manufacturer's Name or Code Name | CAR# 138-1318 (Structural) CAR# 138-540 (Impact) |
| | Product Name | 8300 PVC Flange Impact Fixed |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E1886-05/E1996-05,09; Missile Level D |
| 3 | Certification Agency | Keystone |
| | Manufacturer's Name or Code Name | CAR# 138-1317 (Structural) CAR# 138-539 (Impact) |
| | Product Name | 8300 PVC Impact Fin/Flange Fixed |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E1886-05/E1996-05,09; Missile Level D |

Product Identification (Certification Label on Window) - continued:

| System | | |
|--------|----------------------------------|---|
| 4 | Certification Agency | Keystone |
| | Manufacturer's Name or Code Name | CAR# 138-730 (Structural) CAR# 138-274 (Impact) |
| | Product Name | 8300 PVC Fin/Flange Frame Impact Fixed |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E1886/E1996-05; Missile Level D |
| 5 | Certification Agency | Keystone |
| | Manufacturer's Name or Code Name | CAR# 138-1093 (Structural) CAR# 138-534 (Impact) |
| | Product Name | 8300 PVC Fin/Flange Imp Fixed |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E1886-05/E1996-05,09; Missile Level D |
| 6 | Certification Agency | Keystone |
| | Manufacturer's Name or Code Name | CAR# 138-457 (Structural) CAR# 138-250 (Impact) |
| | Product Name | 8300 Vinyl Impact Fixed |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E1886/E1996-05; Missile Level D |
| 7 | Certification Agency | Keystone |
| | Manufacturer's Name or Code Name | CAR# 138-482 (Structural) CAR# 138-258 (Impact) |
| | Product Name | 8300 Vinyl Flange Frame Impact Fixed |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E1886/E1996-02; Missile Level D |

Impact Resistance:

| System | Impact Resistant | Requirement |
|--------|------------------|---|
| 1-7 | Yes | These products satisfy TDI's criteria for protection from windborne debris. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies. |

Installation:

| System | | |
|--------|---------------------------|---|
| 1-3 | Type of Installation | Install in accordance with Custom Window Systems drawing No. TDI-1033, dated November 12, 2015. Revision C dated March 23, 2022. Signed and sealed by Lucas A. Turner, P.E. on April 1, 2022. |
| | Wall Framing | |
| | Fasteners | |
| | Fastener Location/Spacing | |
| | Fastener Penetration | |

Installation (continued):

| System | | |
|--------|---------------------------|--|
| 4-6 | Type of Installation | Install in accordance with Custom Window Systems drawing No. TDI-159, dated November 12, 2015. Revision C dated March 24, 2022. Signed and sealed by Lucas A. Turner, P.E. on April 1, 2022. |
| | Wall Framing | |
| | Fasteners | |
| | Fastener Location/Spacing | |
| | Fastener Penetration | |
| 7 | Type of Installation | Install in accordance with Custom Window Systems drawing No. TDI-373, dated November 12, 2015. Revision C dated March 23, 2022. Signed and sealed by Lucas A. Turner, P.E. on April 1, 2022. |
| | Wall Framing | |
| | Fasteners | |
| | Fastener Location/Spacing | |
| | Fastener Penetration | |

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.