Product Evaluation

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-1724

Effective Date: June 1, 2016
Re-evaluation Date: June 2020

Product Name: Series 6312 Vinyl Double-Hung Windows, Impact Resistant

Manufacturer: Regency Plus, Inc.
2000 Locust Gap Highway
Mt. Carmel, PA 17851
(570) 339-3374

General Description:

System	Description	Label Rating	Design Pressure Rating (psf)
1	Series 6312 Vinyl Double-Hung Window (X/X)	LC-PG50 53 X 77-H Wind Zone 4 Missile Level D	+45 / -50

Product Dimensions:

System	Overall Size (in.)	Lower Sash Daylight Opening Size (in.)	Upper Sash Daylight Opening Size (in.)
1	53 x 77	46-1/2 x 33-1/4	45-1/2 x 33-1/4

Product Identification (Certification Label on Window):

System		
1	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Regency Plus, Inc.
	Product Name	6312 Vinyl Impact Rated Double-Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05/08 ASTM E 1886-04/ASTM E 1996-04 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1	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:

System		
1	Type of Installation	The product must be installed in accordance with Drawing No. 08-01714 Revision A, sheets 1-3, dated September 17, 2012. The drawing was signed and sealed by Luis R. Lomas, P.E. on February 18, 2016.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Other Substrates	

Wall Framing Construction: The windows may be mounted to several types of wall framing construction. The types of wall framing construction allowed include:

- Concrete (minimum compressive strength: 3,192 psi)
- Hollow concrete block (ASTM C-90, Grade N, Type 1 (or greater))
- Wood dimension lumber (minimum Spruce-Pine-Fir)
- Metal (steel: 18 gauge, 33 ksi; Aluminum: 6063-T5, 1/8" minimum thick)

Installation Details:

- Refer to Sheet 1 of 3 of the approved drawings for the anchor layout and notes.
- Refer to Sheets 2 of 3 through 3 of 3 of the approved drawings for installation details.
- The approved drawings indicate the minimum embedment depths for the fasteners and the minimum edge distances (minimum distance fastener must be from the edge of the substrate material) for the fasteners.

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