

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION WIN-1245

Effective March 1, 2010

*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 shall be subject to reevaluation **March 2013**.*

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.

Series 212 Aluminum Fixed Windows, Individual, Non-impact Resistant, manufactured by

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Telephone: (800) 444-1444

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The Series 212 windows are aluminum fixed windows. The aluminum fixed windows evaluated in this report are individual, non-impact resistant windows. The aluminum fixed windows evaluated in this report are based on the following tested constructions:

General Description:

System	Description	Label Rating
1	Series 212 Aluminum Fixed Windows; O	F-C75 Maximum Size Tested: 5'0" x 5'0"

Product Dimensions:

System	Overall Size	Fixed Daylight Opening Size
1	60" x 60"	57 1/2" x 57 1/2"

Glazing Description:

System	Glass Construction ¹	Glazing Method ²
1	IG-1	GM-1

Note: ¹ See the "Glass Construction Key" for the glazing construction.

² See the "Glazing Method Key" for the glazing method description.

Glass Construction Key:

IG-1: The window contains a sealed insulating glass unit. The sealed insulating glass unit is comprised of two double strength ($\frac{1}{8}$ ") fully tempered glass lites separated by a desiccant-filled aluminum spacer system. The glass thickness used in the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

Glazing Method Key:

GM-1: The insulating glass unit is interior glazed with a silicone backbedding compound and an interior glazing gasket. The insulating glass unit is secured in place with a snap-in extruded aluminum glazing bead.

Frame Construction: The frame is manufactured of extruded aluminum. The frame members are thermally broken. The frame corners are butt construction and are secured together with two (2) screws at each corner.

Sash Construction: N/A

Hardware: N/A

Reinforcement: None

Product Identification: A certification program label (NAMI) will be affixed to the window. The certification program label shall include the manufacturer's name (**All Seasons Commercial Division**); product name (**212 PW**); performance characteristics; the approved inspection agency (NAMI); and the applicable standard: AAMA/NWDA 101/I.S.2-97.

LIMITATIONS

Design pressures:

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	60	60	± 75

Impact Resistance: These window assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These window assemblies will need to be protected with an impact protective system if installed in areas where windborne debris protection is required.

Acceptance of Smaller Assemblies: Windows assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

INSTALLATION INSTRUCTIONS

General: The window assembly shall be installed in accordance with the manufacturer's installation instructions. Detailed drawings and installation instructions are available from the manufacturer.

Installation: The wood framing members shall be minimum Southern Yellow Pine dimension lumber. The window shall be secured to the wall framing through the nailing fin and with wood blind stops. The nailing fin is secured to the wall framing with minimum No. 8 screws. The fasteners are spaced approximately 6 inches from each corner and approximately 16 inches on center along the perimeter of the window. Minimum 1" x 1 $\frac{5}{8}$ " wood blind stops are required along the interior and the exterior side (over the nailing fin) of the window. The blind stops are required along the full perimeter of the window.

The blind stops are secured to the wall framing with minimum No. 8 x 2 ½ inch screws. The fasteners shall be located approximately 3 inches from each corner. All fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.