TDI | Texas Department of Insurance

PO Box 149104 | Austin, TX 78714 | 1-800-578-4677 | tdi.texas.gov

Product Evaluation

WIN2447 | 0123

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-2447

Effective Date: January 1, 2023
Re-evaluation Date: April 2025

Product Name: Series 1210 Premium Impact Aluminum Clad Wood Awning Windows, Impact Resistant

Manufacturer: Weather Shield Mfg., Inc.
One Weather Shield Plaza
Medford, WI 54421
(715) 748-2100

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Premium Impact Awning Windows; Dual Glazed	LC-PG65 (42 x 36)-AP Missile Level D	+65 / -85 psf
2	Premium Impact Awning Windows w/ Premium Impact Picture Window Stacked Above; Dual Glazed	LC-PG65 (Span 41-1/2 x TW 56-1/2)-MA Missile Level D	+65 / -85 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Size
1	42" x 36"	40-1/16" x 34-1/16"	N/A
2	41-1/2" x 113-1/8"	40-1/8" x 34-1/16"	40-1/8" x 76-1/8"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Weather Shield
	Product Name	Model 1210 Premium Coastal Awning Clad Wood
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-05/E1996-12; Missile Level D
2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Weather Shield
	Product Name	Model 1210 Premium Coastal Awning/Picture Comb Clad Wood
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-05/E1996-12; Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-2	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 (One of the Following):

System 1:

Option #1 (Nail Fin):

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using an integral vinyl nailing fin. The nailing fin is secured to the wall framing using minimum No. 6 x 1-5/8" screws. Locate the screws approximately 2" from each corner and 8"-10" on center along the perimeter. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Option #2 (Screw Through Frame):

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using minimum No. 10 x 2-1/2" PFH screws spaced approximately 4" from ach corner and 12"-14" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Option #3 (Installation Clips:

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using 1-1/2" x 5-1/2" long, 20-gauge galvanized steel installation clips spaced approximately 3"-4" from the corners and 10"-12" on center. Secure the clips to the window frame using four minimum No. 8 x 3/4" PFH screws

and to the wall framing using four minimum No. 6 x 1-5/8" screws. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 2:

Option #1 (Nail Fin Installation:

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using an integral vinyl nailing fin. The nailing fin is secured to the wall framing using minimum No. 6 x 1-5/8" screws spaced approximately 2" from each corner and 8"-10" on center along the perimeter. Locate two 1-1/2" x 5-1/2" long, 20-gauge galvanized steel installation clips at the mull locations spaced approximately 3" on each side of the mull center. Secure the clips to the window frame using four minimum No. 8 x 3/4" PFH screws and to the wall framing using four minimum No. 6 x 1-5/8" screws. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Option #2 (Screw Through Frame):

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using minimum No. 10 x 2-1/2" PFH screws spaced approximately 4" from each corner and 12-14" on center. Locate two 1-1/2" x 5-1/2" long, 20-gauge galvanized steel installation clips at the mull locations spaced 3" on each side of the mull center. Secure the clips to the window frame using four minimum No. 8 x 3/4" PFH screws and to the wall framing using four minimum No. 6 x 1-5/8" screws. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Option #3 (Installation Clips):

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using installation clips spaced approximately 3"-4" from the corners and 10"-12" on center. Locate two 1-1/2" x 5-1/2" long, 20-gauge galvanized steel installation clips at the mull locations spaced 3" on each side of the mull center. Secure the clips to the window frame using four minimum No. 8 x 3/4" PFH screws and to the wall framing using four minimum No. 6 x 1-5/8" screws. 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.