



Product Evaluation

WIN1769 | 0415

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-1769

Effective Date: August 1, 2013

Revised: April 1, 2015

Re-evaluation Date: September 2016

Product Name: Ply Gem 1500 Vinyl Tilt Single Hung Windows, New Construction, Non-impact Resistant

Manufacturer: Ply Gem Window Group
433 North Main Street
Rocky Mount, VA 24151
(800) 999-8400

General Description:

System	Description	Label Rating	Design Pressure Rating
1	1500 Vinyl Single Hung Window; O/X	H-LC35 36x60	+35 / -35 psf
2	1500 Vinyl Single Hung Window; O/X	H-LC50 36x60	+50 / -50 psf
3	1500 Vinyl Single Hung Window; O/X	H-LC50 36x60	+50 / -50 psf
4	1500 Vinyl Single Hung Window; O/X	H-LC50 36x74	+50 / -50 psf
5	1500 Vinyl Single Hung Window; O/X	H-R25 35.5x73.5	+25 / -25 psf
6	1500 Vinyl Single Hung Window; O/X	H-LC50 36x74	+50 / -50 psf
7	1500 Vinyl Single Hung Window; O/X	H-LC50 36x84	+50 / -50 psf
8	1500 Vinyl Single Hung Window; O/X	H-LC25 40x72	+25 / -25 psf
9	1500 Vinyl Single Hung Window; O/X	H-LC50 40x72	+50 / -50 psf
10	1500 Vinyl Single Hung Window; O/X	H-LC25 44x77	+25 / -25 psf
11	1500 Vinyl Single Hung Window; O/X	H-LC35 44x77	+35 / -35 psf
12	1500 Vinyl Single Hung Window; O/X	H-LC40 44x77	+40 / -40 psf
13	1500 Vinyl Single Hung Window; O/X	H-LC50 48x72	+50 / -50 psf
14	1500 Vinyl Single Hung Window; O/X	H-R25 48x96	+25 / -25 psf
15	1500 Vinyl Single Hung Window; O/X	H-LC30 48x96	+30 / -30 psf

General Description (continued):

System	Description	Label Rating	Design Pressure Rating
16	1500 Vinyl Single Hung Window; O/X	H-LC50 52.125x62	+50 / -50 psf
17	1500 Vinyl Single Hung Window; O/X	H-LC40 53x77	+40 / -40 psf
18	1500 Vinyl Single Hung Window; O/X	H-LC50 53x77.125	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operating Sash Size	Fixed Sash Daylight Opening Size
1	35-9/16" x 59-1/2"	33" x 28-3/4"	31" x 26-9/16"
2	36-1/16" x 60"	33-1/2" x 29"	31-7/16" x 26-13/16"
3	35-1/2" x 59-1/2"	33" x 28-3/4"	30-7/8" x 26-5/8"
4	36-1/16" x 74-1/16"	33-1/2" x 36-1/16"	31-7/16" x 33-3/4"
5	35-1/2" x 73-1/2"	32-15/16" x 35-3/4"	30-7/8" x 33-9/16"
6	36" x 73-9/16"	33-7/16" x 36"	31-3/8" x 33-7/8"
7	35-15/16" x 84"	33-7/16" x 40-15/16"	31-3/8" x 39"
8	40-1/16" x 72"	37-1/2" x 35-1/2"	35-1/2" x 32-3/4"
9	40" x 72"	37-3/4" x 35"	35-7/16" x 32-3/4"
10	43-15/16" x 77-1/8"	41-7/16" x 37-9/16"	39-7/16" x 35-3/8"
11	44-1/16" x 77-1/8"	41-7/16" x 37-1/2"	39-7/16" x 35-3/8"
12	44" x 77-1/8"	41-1/2" x 37-5/8"	39-9/16" x 35-3/8"
13	48" x 72"	45-7/16" x 35"	43-3/8" x 32-15/16"
14	48-1/16" x 95-15/16"	45-7/16" x 41-3/16"	43-1/2" x 50-7/8"
15	48-1/16" x 95-15/16"	45-1/2" x 47-1/16"	43-1/2" x 44-13/16"
16	52-1/8" x 62"	49-7/16" x 30"	47-1/2" x 27-13/16"
17	53" x 77-1/8"	50-3/8" x 37-9/16"	48-7/16" x 35-3/8"
18	53" x 77-1/8"	50-3/8" x 37-9/16"	48-7/16" x 35-3/8"

Product Identification (Certification Agency Label on Window):

System		
2, 4, 7, 9, 10, 11, 12, 14, 15	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-168 (RM)
	Product Name	Ply Gem 1500
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
1	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-170-01738-00002
	Product Name	Ply Gem 1500
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05, 08, 11
3	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-170-00023-00002
	Product Name	Ply Gem 1500
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05, 08, 11

Product Identification (Certification Agency Label on Window) - continued:

System		
5, 6	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-170-01737-00002
	Product Name	Ply Gem 1500
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05, 08, 11
7	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-170-11632-00002
	Product Name	Ply Gem 1500
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05, 08, 11
13	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-170-11552-00001
	Product Name	Ply Gem 1500
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05, 08, 11
16, 17, 18	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-168-09242-00001
	Product Name	Ply Gem 1500
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05, 08, 11

Impact Resistance:

System	Impact Resistant	Requirement
1-18	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1-12, 14, 15	Type of Installation	Nailing Fin
	Wall Framing	Southern Yellow Pine
	Fasteners	Minimum No. 8 Truss Head Screws
	Fastener Location/Spacing	Approximately 4" from each corner and 8-1/2" on center along each side jamb
	Fastener Penetration	Minimum of 1-1/2" into the wall-framing members.
13, 16, 17, 18	Type of Installation	Nailing Fin
	Wall Framing	Southern Yellow Pine
	Fasteners	Minimum No. 8 Truss Head Screws
	Fastener Location/Spacing	Approximately 4" from each corner and 8-1/2" on center along each side jamb, and 6" on center along the sill. One (1); No. 8 x 2" modified truss head screw is located through the frame of each side jamb at 1" below the fixed meeting rail
	Fastener Penetration	Minimum of 1-1/2" into the wall-framing members.

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