TDI | Texas Department of Insurance

PO Box 12030 | Austin, TX 78711 | 800-578-4677 | tdi.texas.gov

Product Evaluation

WIN1769 | 1122

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: November 1, 2022
Re-evaluation Date: March 2023

Product Name: Ply Gem 1500 Vinyl Tilt Single Hung Windows, Non-Impact Resistant

Manufacturer: Ply Gem Windows Group
433 North Main St.
Rocky Mount, VA 24151
(800) 542-9118 ext. 413596

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Ply Gem 1500 Vinyl Tilt Single Hung Windows; O/X	H-LC35 (36 x 62)	+35 / -35 psf
2	Ply Gem 1500 Vinyl Tilt Single Hung Windows; O/X	H-LC50 (47.5 x 59.5)	+50 / -50 psf
3	Ply Gem 1500 Vinyl Tilt Single Hung Windows; O/X	H-LC50 (35.5 x 61.5)	+50 / -50 psf
4	Ply Gem 1500 Vinyl Tilt Single Hung Windows; O/X	H-LC50 (36 x 84)	+50 / -50 psf
5	Ply Gem 1500 Vinyl Tilt Single Hung Windows; O/X	H-LC30 (35.5 x 73.5)	+30 / -30 psf

General Description (Continued):

System	Description	Label Rating	Design Pressure Rating
6	Ply Gem 1500 Vinyl Tilt Single Hung Windows; O/X	H-LC35 (36 x 74)	+35 / -35 psf
7	Ply Gem 1500 Vinyl Tilt Single Hung Windows; O/X	H-LC50 (36 x 84)	+50 / -50 psf
8	Ply Gem 1500 Vinyl Tilt Single Hung Windows; O/X	H-LC50 (40 x 72)	+50 / -50 psf
9	Ply Gem 1500 Vinyl Tilt Single Hung Windows; O/X	H-LC25 (40 x 72)	+25 / -25 psf
10	Ply Gem 1500 Vinyl Tilt Single Hung Windows; O/X	H-LC25 (44 x 77.125)	+25 / -25 psf
11	Ply Gem 1500 Vinyl Tilt Single Hung Windows; O/X	H-LC35 (44 x 77.125)	+35 / -35 psf
12	Ply Gem 1500 Vinyl Tilt Single Hung Windows; O/X	H-LC40 (44 x 77.125)	+40 / -40 psf
13	Ply Gem 1500 Vinyl Tilt Single Hung Windows; O/X	H-LC50 (48 x 72)	+50 / -50 psf
14	Ply Gem 1500 Vinyl Tilt Single Hung Windows; O/X	H-R25 (48 x 96)	+25 / -25 psf
15	Ply Gem 1500 Vinyl Tilt Single Hung Windows; O/X	H-LC30 (48 x 96)	+30 / -30 psf
16	Ply Gem 1500 Vinyl Tilt Single Hung Windows; O/X	H-LC50 (53 x 77.125)	+50 / -50 psf
17	Ply Gem 1500 Vinyl Tilt Single Hung Windows; O/X	H-LC50 (52 x 62)	+50 / -50 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1	35-15/16" x 61-15/16"	33-3/8" x 29-15/16"	31-5/16" x 27-3/4"
2	47-9/16" x 59-1/2"	44-15/16" x 28-3/4"	42-15/16" x 26-9/16"
3	35-1/2" x 61-1/2"	32-7/8" x 29-5/8"	30-7/8" x 27-1/2"
4	35-15/16" x 84"	33-7/16" x 40-15/16"	31-3/8" x 39"
5	35-1/2" x 73-1/2"	32-15/16" x 35-3/4"	30-7/8" x 33-9/16"
6	36-1/16" x 74-1/16"	33-1/2" x 36-1/16"	31-7/16" x 33-3/4"
7	35-15/16" x 84"	33-7/16" x 40-15/16"	31-3/8" x 39"
8	40" x 72"	37-3/8" x 35"	35-7/16" x 32-3/4"
9	40-1/16" x 72"	37-1/2" x 35-1/2"	35-1/2" 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"	41-3/8" x 37-1/2"	39-7/16" x 35-3/8"

Product Dimensions (Continued):

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
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	53" x 77-1/8"	50-3/8" x 37-9/16"	48-7/16" x 35-3/8"
17	52-1/8" x 62"	49-7/16" x 30"	47-1/2" x 27-13/16"

Product Identification (Certification Label on Window):

System		
1, 3, 5-6	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-170-00001-00001
	Product Name	Ply Gem 1500 Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05,08,11
2, 9, 12	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-170-11551-00001
	Product Name	Ply Gem 1500 Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05,08,11
4, 7-8, 11, 13-16	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-170-11552-00001
	Product Name	Ply Gem 1500 Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05,08,11
10	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-170-04621-00001
	Product Name	Ply Gem 1500 Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05,08,11
17	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-168-09555-00001
	Product Name	Ply Gem 1500 Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05,08,11

Compliance: The products comply with AAMA/WDMA/CSA 101/I.S.2/A440-17 as referenced in the 2018 IRC and 2018 IBC.

Impact Resistance:

System	Impact Resistant	Requirement
1-17	No	These products have not been tested for windborne debris resistance. An impact protection system is required when installing this product in areas where windborne debris protection is required.

Installation:

System		
1-17	Type of Installation	Install in accordance with Ply Gem Windows drawing No. PGW181TX, dated September 18, 2013. Revision A dated December 1, 2020. Signed and sealed by Lucas A. Turner, P.E. on December 2, 2020.
	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.