

## Product Evaluation

WIN2052 | 0921

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-2052

**Effective Date:** September 1, 2021

**Re-evaluation Date:** December 2024

**Product Name:** Series HR-5510 Vinyl Horizontal Sliding Windows, Fin and Frame Installation, Impact Resistant

**Manufacturer:** PGT Industries  
1070 Technology Drive  
North Venice, FL 34275  
(941) 486-0100

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series HR-5510 Vinyl Horizontal Sliding Windows; XO	LC-PG65 (75 x 63)-HS Missile Level D	+65 / -70 psf
2	Series HR-5510 Vinyl Horizontal Sliding Windows; XO	LC-PG60 (75 x 63)-HS Missile Level D	+60 / -60 psf
3	Series HR-5510 Vinyl Horizontal Sliding Windows; XO	LC-PG50 (75 x 63)-HS Missile Level D	+50 / -50 psf
4	Series HR-5510 Vinyl Horizontal Sliding Windows; XO	LC-PG50 (75 x 72)-HS Missile Level D	+50 / -50 psf

**General Description:**

System	Description	Label Rating	Design Pressure Rating
5	Series HR-5510 Vinyl Horizontal Sliding Windows; XOX 1/4-1/2-1/4	LC-PG65 (120 x 63)-HS Missile Level D	+65 / -70 psf
6	Series HR-5510 Vinyl Horizontal Sliding Windows; XOX 1/4-1/2-1/4	LC-PG65 (120 x 63)-HS Missile Level D	+65 / -65 psf
7	Series HR-5510 Vinyl Horizontal Sliding Windows; XOX 1/4-1/2-1/4	LC-PG50 (120 x 63)-HS Missile Level D	+50 / -50 psf
8	Series HR-5510 Vinyl Horizontal Sliding Windows; XOX 1/4-1/2-1/4	LC-PG45 (120 x 63)-HS Missile Level D	+45 / -45 psf

**Product Dimensions:**

System	Overall Size		Operable Sash Size	Fixed Sash Daylight Opening Size
1-3	w/o fin	75" x 63"	36-1/2" x 59"	34-5/8" x 59-1/4"
	w/ fin	77-3/4" x 65-3/4"		
4	w/o fin	75" x 72"	36-1/2" x 68"	33-1/4" x 67"
	w/ fin	77-3/4" x 74-3/4"		
5-8	120" x 63"		30" x 59"	54-5/8" x 58"

**Product Identification (Certification Label on Window):**

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR #190-1047; CAR # 190-291
	Product Name	HR5510 PVC Impact Horizontal Slider
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E 1886-05; ASTM E 1996-12; Missile Level D
2	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR #190-1074; CAR # 190-290
	Product Name	HR5510 PVC Impact Horizontal Slider
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E 1886-05; ASTM E 1996-12; Missile Level D

**Product Identification (Certification Label on Window):**

<b>System</b>		
3	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR #190-1048; CAR # 190-292
	Product Name	HR5510 PVC Impact Horizontal Slider
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E 1886-05; ASTM E 1996-12; Missile Level D
4	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR #190-1046; CAR # 190-289
	Product Name	HR5510 PVC Impact Horizontal Slider
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E 1886-05; ASTM E 1996-12; Missile Level D
5	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR #190-1052; CAR # 190-296
	Product Name	HR5510 PVC 1/4-1/2-1/4 Impact Horiz Slider
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E 1886-05; ASTM E 1996-12; Missile Level D
6	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR #190-1051; CAR # 190-295
	Product Name	HR5510 PVC 1/4-1/2-1/4 Impact Horiz Slider
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E 1886-05; ASTM E 1996-12; Missile Level D
7	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR #190-1054; CAR # 190-298
	Product Name	HR5510 PVC 1/4-1/2-1/4 Impact Horiz Slider
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E 1886-05; ASTM E 1996-12; Missile Level D
8	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR #190-1053; CAR # 190-297
	Product Name	HR5510 PVC 1/4-1/2-1/4 Impact Horiz Slider
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-05; ASTM E1996-12; Missile Level D

**Impact Resistance:**

System	Impact Resistant	Requirement
1-8	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:**

System		
1-8	Type of Installation	Install in accordance with PGT drawing No. TDI-HR5510.1, dated March 17, 2015; revision 1 dated June 25, 2021. Signed and sealed by Anthony Lynn Miller, P.E. on July 16, 2021.
	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.