

Product Evaluation

WIN2557 | 0221

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-2557

Effective Date: February 1, 2021

Re-evaluation Date: January 2024

Product Name: Crusader Elite Vinyl Horizontal Slider Windows, Fin and Frame Installation, Non-Impact Resistant

Manufacturer: Northeast Building Products
4280 Aramingo
Philadelphia, PA 19124
(215) 535-7110

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Crusader Elite New Construction Vinyl Horizontal Slider Windows; XX 2SL	Class LC-PG25 71 x 56 Type HS	±25 psf
2	Crusader Elite Replacement Vinyl Horizontal Slider Windows; XX; 2SL	Class LC-PG35 71 x 56 Type HS	±35 psf
3	Crusader Elite New Construction Vinyl Horizontal Slider Windows; XX; 2SL	Class LC-PG40 63 x 44 Type HS	±40 psf

General Description (Continued):

System	Description	Label Rating	Design Pressure Rating
4	Crusader Elite Replacement Vinyl Horizontal Slider Windows; XX; 2SL	Class LC-PG45 63 x 44 Type HS	+45; -50 psf
5	Crusader Elite Replacement Vinyl Horizontal Slider Windows; XOX; 3SL	Class LC-PG25 109 x 66 Type HS	±25 psf
6	Crusader Elite Replacement Vinyl Horizontal Slider Windows; XOX; 3SL	Class LC-PG25 93 x 66 Type HS	±25 psf
7	Crusader Elite New Construction Vinyl Horizontal Slider Windows; XOX 3SL	Class LC-PG35 93 x 44 Type HS	±35 psf
8	Crusader Elite Replacement Vinyl Horizontal Slider Windows; XOX; 3SL	Class LC-PG40 93 x 44 Type HS	±40 psf
9	Crusader Elite Replacement Vinyl Horizontal Slider Windows; QHQ; XOX	Class LC-PG25 93 x 66 Type HS	±25 psf
10	Crusader Elite New Construction Vinyl Horizontal Slider Windows; QHQ; XOX	Class LC-PG35 93 x 44 Type HS	±35 psf
11	Crusader Elite Replacement Vinyl Horizontal Slider Windows; QHQ; XOX	Class LC-PG40 93 x 44 Type HS	±40 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Size
1, 2	71" x 56"	34-13/16" x 52-1/4"	N/A
3, 4	63" x 44"	30-5/8" x 40-1/4"	N/A
5	109" x 66"	33-5/16" x 62-1/4"	33-5/16" x 62-1/4"
6	93" x 66"	30-7/8" x 62-3/16"	30-7/8" x 62-3/16"
7, 8	93" x 44"	30-7/8" x 40-3/16"	30-7/8" x 40-3/16"
9	93" x 66"	23-3/16" x 62-1/4"	46-1/8" x 62-1/4"
10, 11	93" x 44"	23-3/16" x 40-3/16"	46-1/8" x 40-3/16"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	86-701
	Product Name	Crusader Elite SL Horizontal Sliding Window XX N/C
	Test Standards	AAMA/WDMA/CSA 101/IS2/A440-11
2	Certification Agency	Keystone
	Manufacturer's Name or Code Name	86-702
	Product Name	Crusader Elite SL Horizontal Sliding Window XX Repl
	Test Standards	AAMA/WDMA/CSA 101/IS2/A440-11
3	Certification Agency	Keystone
	Manufacturer's Name or Code Name	86-703
	Product Name	Crusader Elite SL Horizontal Sliding Window XX N/C
	Test Standards	AAMA/WDMA/CSA 101/IS2/A440-11
4	Certification Agency	Keystone
	Manufacturer's Name or Code Name	86-704
	Product Name	Crusader Elite SL Horizontal Sliding Window XX Repl
	Test Standards	AAMA/WDMA/CSA 101/IS2/A440-11
5	Certification Agency	Keystone
	Manufacturer's Name or Code Name	86-706
	Product Name	Crusader Elite SL PVC HS (1/3-1/3-1/3) Repl
	Test Standards	AAMA/WDMA/CSA 101/IS2/A440-11
6	Certification Agency	Keystone
	Manufacturer's Name or Code Name	86-723
	Product Name	Crusader Elite SL PVC HS (1/3-1/3-1/3) Repl
	Test Standards	AAMA/WDMA/CSA 101/IS2/A440-11
7	Certification Agency	Keystone
	Manufacturer's Name or Code Name	86-707
	Product Name	Crusader Elite SL PVC HS (1/3-1/3-1/3) NC
	Test Standards	AAMA/WDMA/CSA 101/IS2/A440-11
8	Certification Agency	Keystone
	Manufacturer's Name or Code Name	86-708
	Product Name	Crusader Elite SL PVC HS (1/3-1/3-1/3) Repl
	Test Standards	AAMA/WDMA/CSA 101/IS2/A440-11

Product Identification (Certification Label on Window) - continued:

System		
9	Certification Agency	Keystone
	Manufacturer's Name or Code Name	86-710
	Product Name	Crusader Elite SL PVC HS (1/4-1/2-1/4) Repl
	Test Standards	AAMA/WDMA/CSA 101/IS2/A440-11
10	Certification Agency	Keystone
	Manufacturer's Name or Code Name	86-711
	Product Name	Crusader Elite SL PVC HS (1/4-1/2-1/4) NC
	Test Standards	AAMA/WDMA/CSA 101/IS2/A440-11
11	Certification Agency	Keystone
	Manufacturer's Name or Code Name	86-712
	Product Name	Crusader Elite SL PVC HS (1/4-1/2-1/4) Repl
	Test Standards	AAMA/WDMA/CSA 101/IS2/A440-11

Impact Resistance:

System	Impact Resistant	Requirement
1-11	No	Provide an impact protective system when installing the product in areas that require windborne debris.

Installation:

System		
1-11	Type of Installation	Install the windows in accordance with Drawing TDI-ELITE-HS-NI; sheets 1 through 4 of 4; dated February 10, 2020; Revision 0; Signed, sealed, and dated November 12, 2020 by Lucas A. Turner, P.E.
	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.