

## Product Evaluation

WIN2556 | 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-2556

**Effective Date:** February 1, 2021

**Re-evaluation Date:** January 2024

**Product Name:** Crusader Elite Vinyl Double Hung 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 Double Hung Windows	Class LC-PG35 44 x 75 Type H	±35 psf
2	Crusader Elite Replacement Vinyl Double Hung Windows	Class LC-PG35 44 x 75 Type H	±35 psf
3	Crusader Elite New Construction Vinyl Double Hung Windows	Class LC-PG55 40 x 63 Type H	±55 psf

**General Description (Continued):**

System	Description	Label Rating	Design Pressure Rating
4	Crusader Elite Replacement Vinyl Double Hung Windows	Class LC-PG50 40 x 63 Type H	±50 psf

**Product Dimensions:**

System	Overall Size	Top Sash Size	Bottom Sash Size
1, 2	44" x 75"	39-3/4" x 36-1/4"	40-3/4" x 37-3/4"
3, 4	40" x 63"	30-5/8" x 40-1/4"	36-3/4" x 31-3/4"

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

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	86-495
	Product Name	Crusader Elite DH-(New Construction)
	Test Standards	AAMA/WDMA/CSA 101/IS2/A440-11
2	Certification Agency	Keystone
	Manufacturer's Name or Code Name	86-496
	Product Name	Crusader Elite DH-(Replacement)
	Test Standards	AAMA/WDMA/CSA 101/IS2/A440-11
3	Certification Agency	Keystone
	Manufacturer's Name or Code Name	86-497
	Product Name	Crusader Elite DH-(New Construction)
	Test Standards	AAMA/WDMA/CSA 101/IS2/A440-11
4	Certification Agency	Keystone
	Manufacturer's Name or Code Name	86-498
	Product Name	Crusader Elite DH-(Replacement)
	Test Standards	AAMA/WDMA/CSA 101/IS2/A440-11

**Impact Resistance:**

System	Impact Resistant	Requirement
1-4	No	Provide an impact protective system when installing the product in areas that require windborne debris.

**Installation:**

System		
1-4	Type of Installation	Install the windows in accordance with Drawing TDI-ELITE-DH-NI; sheets 1 through 3 of 3; dated February 7, 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.