

Product Evaluation

WIN972 | 0226

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-972

Effective Date: February 1, 2026

Re-evaluation Date: February 2030

Product Name: E110 Executive/ X110 Energy Master/ H110 Traditions/ P110 Solar Pro/ W110 Presidential Vinyl Single Hung Windows, Fin or Frame Installation, Non-Impact Resistant

Manufacturer: NT Window
2900 W. Seminary Dr.
Fort Worth, TX 76133
(800) 969-8830

General Description:

System	Description	Label Rating	Design Pressure Rating
1	E110 Executive/ X110 Energy Master/ H110 Traditions/ P110 Solar Pro/ W110 Presidential Vinyl Single Hung Windows; O/X	LC-PG25 (54 x 77)-H	+25 / -25 psf
2	E110 Executive/ X110 Energy Master/ H110 Traditions/ P110 Solar Pro/ W110 Presidential Vinyl Single Hung Windows; O/X	LC-PG45 (54 x 77)-H	+45 / -45 psf

General Description (Continued):

System	Description	Label Rating	Design Pressure Rating
3	E110 Executive/ X110 Energy Master/ H110 Traditions/ P110 Solar Pro/ W110 Presidential Vinyl Single Hung Windows; O/X	R-PG50 (48 x 63)-H	+50/-50 psf
4	E110 Executive/ X110 Energy Master/ H110 Traditions/ P110 Solar Pro/ W110 Presidential Vinyl Single Hung Windows; O/X	R-PG30 (48 x 84)-H	+30/-30 psf
5	E110 Executive/ X110 Energy Master/ H110 Traditions/ P110 Solar Pro/ W110 Presidential Vinyl Single Hung Windows; O/X	LC-PG50 (48 x 84)-H	+50/-50 psf
6	E110 Executive/ X110 Energy Master/ H110 Traditions/ P110 Solar Pro/ W110 Presidential Vinyl Single Hung Windows; O/X	R-PG35 (48 x 72)-H	+35/-35 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1-2	54" x 77"	50-11/16" x 37-11/16" 50-3/4" x 19" (Oriel)	48-11/16" x 34-13/16" 48-3/4" x 54" (Oriel)
3	48" x 63"	44-3/4" x 30-3/4"	42-11/16" x 27-7/8"
4-5	48" x 84"	44-3/4" x 41-1/16" 44-3/4" x 20-1/8" (Oriel)	42-3/4" x 38-5/16" 42-3/4" x 59-3/8" (Oriel)
6	48" x 72"	44-3/4" x 35-3/4" 44-3/4" x 17-1/8" (Oriel)	42-3/4" x 32-3/8" 42-3/4" x 50-3/8" (Oriel)

Product Identification (Certification Label on Window):

System		
1-2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	NT-1
	Product Name	E110/X110/N110/H110/P110/W110 SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	NT-1
	Product Name	E110/H110/N110/P110/W110/X110 SH (FIN)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-17

Product Identification (Certification Label on Window):

System		
4-5	Certification Agency	AAMA
	Manufacturer's Name or Code Name	NT-1
	Product Name	E110/X110/N110/H110/P110/W110 SH (FIN & FINLESS)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-17
6	Certification Agency	AAMA
	Manufacturer's Name or Code Name	NT-1
	Product Name	E110/H110/N110/P110/W110/X110 SH (FIN & FINLESS)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-17

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
1-6	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		
1-2	Type of Installation	Frame
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 10 x 1-1/2" PPH screws
	Fastener Location/Spacing	Side jambs: 2" from interior frame corners and 17" on center thereafter Head: 17" from interior frame corners
	Fastener Penetration	Minimum of 1-1/2" into the wall framing
1-6	Type of Installation	Nailing Fin
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 8 x 2-1/2" washer head screws
	Fastener Location/Spacing	Approximately 3" from each corners and 12" on center
	Fastener Penetration	Minimum of 1-1/2" into the wall framing

Installation (cont):

System		
4-6	Type of Installation	Frame
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	No. 8 x 2-1/2" washer head screws
	Fastener Location/Spacing	Jambs: 3" from each corners and 19" on center. Head: 3" from each corners and mid-span.
	Fastener Penetration	Minimum of 1-1/2" into the wall framing

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.