



Product Evaluation

WIN1118 | 0917

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-1118

Effective Date: September 1, 2017

Re-evaluation Date: June 2020

Product Name: Series 9810 Vinyl Single Hung Window; Fin Installation, Non-Impact Resistant

Manufacturer: Builders FirstSource
5525 Brittmore Rd.
Houston, TX 77041
(713) 849-2110

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 9810 Vinyl Single Hung Windows; O/X	R-PG40 47 x 83-H	±40 psf
2	Series 9810 Vinyl Single Hung Windows; O/X.O/X.O/X	R-PG35 108 x 84-H	±35 psf
3	Series 9810 Vinyl Single Hung Windows; O/X	R-PG50 36 x 72-H	±50 psf
4	Series 9810 Vinyl Single Hung Windows; O/X.O/X	R-PG40 72 x 84-H	±40 psf
5	Series 9810 Vinyl Single Hung Windows; O/X	R-PG35 48 x 96-H	±35 psf
6	Series 9810 Vinyl Single Hung Triple Windows; O/X.O/X.O/X	R-PG35 72 x 72-H	±35 psf
7	Series 9810 Vinyl Single Hung Twin Windows; O/X.O/X	R-PG35 72 x 72-H	±35 psf
8	Series 9810 Vinyl Single Hung Twin Windows; O/X.O/X	R-PG50 72 x 72-H	±50 psf
9	Series 9810 Vinyl Single Hung Windows; O/X	R-PG35 36 x 72-H	±35 psf
10	Series 9810 Vinyl Single Hung Windows; O/X	R-PG50 44 x 66-H	±50 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Daylight Opening Size
1	47-7/16" x 83-5/16"	45-7/16" x 28-11/16"	42-3/4" x 49-15/16"
2	108" x 83-1/2"	33-1/2" x 28-3/4" (3)	30-11/16" x 50" (3)
3	36" x 72"	33-3/8" x 28-3/4"	30-3/4" x 38"
4	71-5/8" x 83-1/2"	33-1/2" x 28-3/4" (2)	30-7/8" x 50" (2)
5	48" x 96"	45-7/16" x 28-7/8"	42-11/16" x 61-7/8"
6	72" x 72"	33-1/2" x 34-5/8" (3)	30-11/16" x 31-7/8" (3)
7	72" x 72"	33-1/2" x 34-5/8" (2)	30-11/16" x 31-7/8" (2)
8	71-1/2" x 71-1/2"	33-7/16" x 28-11/16" (2)	30-3/4" x 35" (2)
9	36" x 72"	33-1/2" x 34-5/8"	30-11/16" x 31-7/8"
10	44" x 66"	42" x 32"	39-5/16" x 29-1/8"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	AAMA
	Manufacturer's Name or Code Name	FSH-1
	Product Name	9810 SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	FSH-1
	Product Name	9810 Triple SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	FSH-1
	Product Name	9810 SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
4	Certification Agency	AAMA
	Manufacturer's Name or Code Name	FSH-1
	Product Name	9810 TWIN SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
5	Certification Agency	AAMA
	Manufacturer's Name or Code Name	FSH-1
	Product Name	9810 SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
6	Certification Agency	AAMA
	Manufacturer's Name or Code Name	FSH-1
	Product Name	9810 SH (TRIPLE)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

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

Series		
7	Certification Agency	AAMA
	Manufacturer's Name or Code Name	FSH-1
	Product Name	9810 SH (TWIN)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
8	Certification Agency	AAMA
	Manufacturer's Name or Code Name	FSH-1
	Product Name	9810 TWIN SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
9	Certification Agency	AAMA
	Manufacturer's Name or Code Name	FSH-1
	Product Name	9810 SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
10	Certification Agency	AAMA
	Manufacturer's Name or Code Name	FSH-1
	Product Name	9810 SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1-10	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Acceptance of Smaller Assemblies: Window assemblies with dimensions equal to or smaller than those specified are acceptable within the limitations specified in this report.

Installation:

System		
1-10	Type of Installation	Mounting Fin
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	<ul style="list-style-type: none"> No. 8 x 1-5/8" wood screws, or No. 8 x 2-3/8" deformed (0.113) Shank Nails (Location/Spacing 4, see below)
	Fastener Location/Spacing (One of the Following):	<ol style="list-style-type: none"> Head, Sill, Jambs. Nominally 2" from each corner, then 12" on center thereafter. Head, Sill, Jambs. Nominally 3" from each corner, then 12" on center thereafter. Head, Sill, Jambs. Nominally 2" from each corner, then 8" on center thereafter. Head, Sill, Jambs. Nominally 4" from each corner then 4" on center thereafter.
	Fastener Penetration	Minimum 1-1/2" into wood framing

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.