

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
Phone No. (512) 322-2212 Fax No. (512) 463-6693

PRODUCT EVALUATION

WIN-1538

Effective February 1, 2012
Reevaluation Date: **April 2013**

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.

Series ES 5000SM Vinyl Fixed Windows, New Construction, Non-Impact Resistant, manufactured by

Four Seasons Solar Products LLC
5005 Veterans Memorial Highway
Holbrook, New York 11741
Telephone: (631) 563-4000

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series ES 5000SM Vinyl Fixed Window	FW-R75 48 x 48	± 75

Product Dimensions:

System	Overall Size
1	48" x 48"

Product Identification:

System		
1	Certification Agency	AAMA
	Manufacturer's Name or Code Name	FS-1
	Product Name	ES-5000 SM PW
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05

Impact Resistance:

Impact Resistant	Requirement
No	Impact protective system required when product is installed in areas where windborne debris protection is required

Installation:

System	Type of Installation	New Construction – Nailing Fin
1	Wall Framing	Spruce-Pine-Fir
	Fasteners	Minimum No. 10 x 1 ½ long screws for the nail fin and No. 10 x 2 inch long pan head screws for the frame at the head and jambs.
	Fastener Location/Spacing	Nail fin: Approximately 1 inches from each corner and approximately 8 inches on center along the perimeter. Through Frame: One fastener located 12 inches from each corner of the head and both jambs.
	Fastener Penetration	Minimum of 1 ½ inches into the wall framing members

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.