

# TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104  
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**PRODUCT EVALUATION**  
WIN-1873

Effective Date: March 1, 2014  
Reevaluation Date: **May 2014**

*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 5810 Vinyl Patio Door Sidelites, New and Replacement Construction, Impact Resistant,**  
manufactured by

**Silver Line Building Products**  
**Route One North**  
**P.O. Box 6029**  
**New Brunswick, New Jersey 08902-6029**  
**Telephone: (732) 435-1000**

and distributed under the following trade names:

**Silver Line**  
**American Craftsman (Home Depot)**

**General Description:**

System	Description	Label Rating	Design Pressure Rating
1	Series 5810 Vinyl Patio Door Sidelites	FW-PG50 48 x 80 Missile Level D	+50, -50 psf

**Product Dimensions:**

System	Overall Size
1	47.50" x 96.00"

**Product Identification (Certification Agency Label on Sidelite):**

System	Certification Agency	WDMA
1	Manufacturer's Name or Code Name	Silver Line Windows
	Product Name	5810 Patio Door Sidelite - Impact
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AST E1886-05/ASTM E1996-05 Missile Level D

**Impact Resistance:**

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the <b>Inland I</b> and <b>Seaward zone</b> . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded

**Installation (One of the following):**

System		
1	Type of Installation	New Construction – Nailing Fin
	Wall Framing	Spruce-Pine-Fir
	Fasteners	Minimum No. 8 screws
	Fastener Location/Spacing	Approximately 1 inch from each corner and approximately 4 inches on center through the head, sill, and side jambs
	Fastener Penetration	Minimum of 1 ½ inches into the wall framing members
1	Type of Installation	Replacement Construction – Frame
	Wall Framing	Spruce-Pine-Fir
	Fasteners	Minimum No. 10 x 2 screws
	Fastener Location/Spacing	Approximately 4 inches from each corner and approximately 17 inches on center through the head, sill, and side 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.