

Product Evaluation

DR1187 | 0821

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: DR-1187

Effective Date: August 1, 2021

Re-evaluation Date: June 2025

Product Name: Series AWS 70.HI Aluminum Outswing Side Hinged Terrace Doors, Single and Double, with or without Sidelites, Impact Resistant

Manufacturer: Schuco USA LP
240 Pane Rd.
Newington, CT 06111
(860) 666-0188

General Description:

System	Description	Label Rating	Design Pressure Rating
1	AWS 70.HI Single Terrace Door; X	48x99 Large Missile Rated	+70 / -70 psf
2	AWS 70.HI Single Terrace Door with Sidelite; OX, XO	99x100 Large Missile Rated	+70 / -70 psf
3	AWS 70.HI Double Terrace Doors with Two Sidelites; OXXO	173x100 Large Missile Rated	+70 / -70 psf

Product Dimensions:

System	Overall Size	Operable Panel Size	Fixed Panel Daylight Opening Size
1	48" x 99-1/8"	46-1/2" x 97-5/16"	N/A
2	99-1/4" x 100-1/16"	46-1/2" x 97-5/16"	43-5/8" x 95-7/16"
3	173" x 100-1/16"	36-1/8" x 97-5/16"	43-5/8" x 95-7/16"

Components and Hardware:

System	Component	Quantity	Attachment Method
1-2	Hinges	5	Install hardware in accordance with drawing No. 21-29T, dated March 22, 2021. Signed and sealed by Jalal Farooq, P.E. on April 14, 2021.
	Handle	1	
	Schuco 6-point vertical lock system and adjacent keepers	1	
	Schuco 2-point horizontal lock system and adjacent keepers	1	
3	Hinges	5	Install hardware in accordance with drawing No. 21-29T, dated March 22, 2021. Signed and sealed by Jalal Farooq, P.E. on April 14, 2021.
	Schuco Handle with multi-point lock system	1	
	Locking rollers and keeps at panels	4	
	Finger lock RC shoot bolt	2	
	Double vent gearbox for secondary vent frame	1	

Product Identification (Certification Label on Door):

System		
1	Certification agency	Keystone
	Manufacturer's name or code name	CAR# 970-101
	Product name	AWS 70.HI Single Terrace Door
	Test standards	TAS 201/202/203 Large Missile Rated
2	Certification agency	Keystone
	Manufacturer's name or code name	CAR# 970-102
	Product name	AWS 70.HI Single Terrace Door w/ One Fixed Lite
	Test standards	TAS 201/202/203 Large Missile Rated
3	Certification agency	Keystone
	Manufacturer's name or code name	CAR# 970-103
	Product name	AWS 70.HI Double Terrace Door w/ Two Fixed Lite
	Test standards	TAS 201/202/203 Large Missile Rated

Impact Resistance:

System	Impact Resistant	Requirement
1-3	Yes	These products satisfy TDI's criteria for protection from windborne debris. They passed a missile test equivalent to Missile Level D in ASTM E 1996-14a. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

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

Installation:

System		
1-3	Type of installation	Install in accordance with drawing No. 21-29T, dated March 22, 2021. Signed and sealed by Jalal Farooq, P.E. on April 14, 2021.
	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.