TDI | Texas Department of Insurance

PO Box 12030 | Austin, TX 78711 | 800-578-4677 | tdi.texas.gov

Product Evaluation

DR575 | 1221

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-575

Effective Date: December 1, 2021
Re-evaluation Date: August 2023

Product Name: Series 20 EV Glazed Steel Outswing Side Hinged Door, Non-Impact Resistant

Manufacturer: Plyco Corporation
500 Industrial Lake Rd.
Elkhart Lake, WI 53020
(920) 876-3611

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 20 EV Steel Outswing Door, Single Point; X	Max. Size Tested: 39.75 x 85.38	+45 / -45 psf
2	Series 20 EV Steel Outswing Door, Single Point w/ deadbolt; X	Max. Size Tested: 39.75 x 85.38	+45 / -45 psf
3	Series 20 EV Steel Outswing Door, Single Point; X	Max. Size Tested: 51.88 x 85.38	+30 / -30 psf
4	Series 20 EV Steel Outswing Door, Single Point w/ deadbolt; X	Max. Size Tested: 51.88 x 85.38	+30 / -30 psf

Product Dimensions:

System	Overall Size	Operable Panel Size	Panel Daylight Opening Size
1-2	39-3/4" x 85-3/8"	35-3/4" x 83-1/4"	20-3/4" x 58-3/4"
3-4	51-7/8" x 85-3/8"	47-3/4" x 83-1/8"	20-3/4" x 58-3/4"

Components and Hardware:

System	Component	Quantity	Attachment Method
1-4	Hinges	3	Install hardware in accordance with drawing No. PCO034, dated February 13, 2020. Signed and sealed by Hermes F. Norero, P.E. on November 30, 2020.
	Lock and deadbolt strike plates	1 each	
	Lock: Schlage S51PD Series	1	
	Deadbolt: Schalge B60N SK (optional)	1	

Product Identification (Certification Label on Door):

System		
1-2	Certification agency	NAMI
	Manufacturer's name or code name	Plyco Corpoartion Dba Modern Door Corporation
	Product name	Series 20 EV Glazed Inswing & Outswing Steel Door w/ or w/o deadbolt
	Test standards	ASTM E330-02,14
3-4	Certification agency	NAMI
	Manufacturer's name or code name	Plyco Corporation Dba Modern Door Corporation
	Product name	4070 Series 20 EV Full Lite Glazed Inswing & Outswing Steel Door w/ or w/o deadbolt
	Test standards	ASTM E330-14

Impact Resistance:

System	Impact Resistant	Requirement
1-4	No	Provide an impact protective system when installing the product in areas that require windborne debris.

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

Installation:

System		
1-4	Type of installation	Install in accordance with drawing No. PCO034, dated February 13, 2020. Signed and sealed by Hermes F. Norero, P.E. on November 30, 2020.
	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.