

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION
DR-367

Effective Date: July 1, 2012
Reevaluation Date: **January 1, 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 60 PD Vinyl Sliding Glass Doors, Non-Impact Resistant, manufactured by

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will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The Series 60 PD door is a vinyl sliding glass door. The vinyl sliding glass doors evaluated in this report are individual, non-impact resistant doors. This product evaluation report is for vinyl sliding glass doors based on the following tested constructions:

General Description:

System	Description	Label Rating
1	Series 60 PD Vinyl Sliding Glass Door; (OX)	SGD-R35 72 x 80

Component Dimensions:

System	Overall Door Size	Operable Panel Size	Fixed Panel Size
1	71 1/2" x 81 1/2"	37 1/8" x 79 3/4"	32 3/8" x 75"

Glazing Description:

System	Glass Construction ¹	Glazing Method ²
1	IG-1	GM-1

Note: ¹ See the "Glass Construction Key" for the glazing construction.

² See the "Glazing Method Key" for the glazing method description.

Glass Construction Key:

IG-1: Both panels contain a sealed insulating glass unit. The sealed insulating glass unit is comprised of two double strength ($\frac{1}{8}$ ") fully tempered glass lites separated by a silicone foam spacer system. The glass thickness used in the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

Glazing Method Key:

GM-1: The insulating glass unit is exterior glazed against double-sided adhesive tape. The insulating glass unit is secured in place with rigid vinyl snap-in glazing beads.

Frame Construction: The frame members are manufactured from extruded vinyl (PVC). The frame member corners are mitered and welded construction. The fixed meeting stile is secured to the frame with screws.

Panel Construction: The panel members are manufactured from extruded vinyl (PVC). The panel member corners are mitered and welded construction.

Reinforcement: U-shaped steel reinforcement is utilized in the fixed meeting stile, in the operating meeting stile, and in the jamb/lock stile. The reinforcement extends the length of the members.

Hardware:

- Adjustable steel dual roller; Two (2) required; Located in the active panel bottom rail, one per end.
- Lock and handle set with dual adjustable latch; One (1) required; Located on the lock stile, approximately 40 inches up from the bottom.
- Metal keeper; One (1) required; Located on the jamb, 40 inches up from the bottom.
- Spring loaded adjustable roller; Four (4) required; Located at the top and bottom screen rails, one 4 inches from each end.

Product Identification: A certification program label (AAMA) will be affixed to the assembly. The certification program label includes the manufacturer's code name (**CRO-1**); product name: **Series 60 PD**; performance characteristics; the approved inspection agency (AAMA); and the following applicable standard: AAMA/WDMA/CSA 101/I.S.2/A440-05.

LIMITATIONS

Design pressures (DP):

System	Overall Width (in.)	Overall Height (in.)	Design Pressure (psf)
1	71 $\frac{1}{2}$	81 $\frac{1}{2}$	± 35

Impact Resistance: These door assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These door assemblies will need to be protected with an impact protective system when installed in areas where windborne debris protection is required.

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

INSTALLATION INSTRUCTIONS

General: The door assembly shall be installed in accordance with the manufacturer's installation instructions. Detailed installation instructions and drawings are available from the manufacturer.

Installation: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The door shall be secured to the wood wall framing members using the nailing fin of the door with minimum No. 8 x 2" screws. The fasteners shall be spaced approximately 4 inches from each corner and approximately 10 inches on center along the perimeter of the door frame. If the sill is secured to concrete, then minimum $\frac{3}{16}$ " diameter concrete anchors shall be used. The concrete fasteners shall be long enough to penetrate a minimum of $1\frac{1}{4}$ inches into the concrete.

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.