

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

Effective December 1, 2011

DR-508

*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 shall be subject to reevaluation **June 2013**.*

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 6200 Vinyl Sliding Patio Doors, Non-Impact Resistant, manufactured by

Alside Window Company/Division of AMI
3773 State Road
Cuyahoga Falls, OH 44223
Telephone: (330) 922-5350

and distributed under the following trade names:

Alside
Associated Materials, Inc.
Gentek Building Products
Revere Building Products

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

PRODUCT DESCRIPTION

The Series 6200 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 6200 Vinyl Sliding Patio Door; (OX)	SD-R50 71 x 80

Component Dimensions:

System	Overall Door Size	Operable Panel Size	Fixed Panel Daylight Opening Sizes
1	71 $\frac{1}{4}$ " x 79 $\frac{5}{8}$ "	35 $\frac{5}{8}$ " x 76 $\frac{1}{4}$ "	30" x 71.65"

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

Glazing Method Key:

GM-1: The insulating glass units are drop-in glazed into the rigid vinyl stile and rails.

Frame Construction: The frame members are manufactured from extruded vinyl (PVC) that snap into vinyl composite jambs. The frame corners are rabbet joint cut and fastened together with screws. The sill contains a drop-in Truth rolling device.

Panel Construction: The panel members are manufactured from extruded vinyl (PVC). The panel member corners are milled straight cut, sealed, and fastened together with screws.

Reinforcement: Roll-formed steel reinforcement is utilized in all of the panel stiles. The reinforcement extends the length of the members.

Hardware:

- Multi-point lock and handle set (Truth); One (1) required; Located on the lock stile.
- Multi-point keepers (Truth); One (1) required; Located on the frame side jamb.
- Rollers; One (1) required; Located on the bottom rail.

Product Identification: A certification program label (AAMA) will be affixed to the assembly. The certification program label includes the manufacturer's code name (UL-5); the product name: **Series 6205/6206/8205/8206 SGD**; 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 $\frac{1}{4}$	79 $\frac{5}{8}$	± 50

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 and the approved drawings specified in this evaluation report. Detailed installation instructions and drawings are available from the manufacturer.

Design Drawings: The doors shall be installed in accordance with Drawing No. TX-4125, titled "Model 6200 Extruded Vinyl Sliding Patio Doors 'Non-Impact'," sheets 1 through 3 of 3, dated July 11, 2011, signed, sealed, and dated July 13, 2011 by Lyndon F. Schmidt, P.E. The stated drawings will be referred to as the approved drawings in this evaluation report.

Wall Framing Construction: The doors shall be secured to minimum Spruce-Pine-Fir dimension lumber. If the door is secured to a concrete foundation, then minimum $\frac{1}{4}$ " diameter concrete anchors shall be used.

Installation: The doors shall be installed as specified on the design drawings. The fasteners shall be long enough to penetrate a minimum of $1\frac{1}{2}$ inches into the wall framing. Concrete anchors shall have a minimum embedment of $1\frac{3}{4}$ inches into the concrete.

Note: The manufacturer's installation instructions and the approved drawings 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.