



## VINYL GLIDE SERIES(SGD-R25)

SLIDING GLASS DOOR

4 1/2" FRAME DEPTH

### FEATURES

#### 1.) Available Configurations

- Sliding Glass Door
- Geometric shapes
- OX, XO, OXO, OXXO, XOO, OOX (as viewed from exterior)

#### 2.) Main frame / Sash

- Dropped-glazed sash
- Fin-seal weatherstripping
- Positive interlocks
- Nailing fin

#### 3.) Framing System

- 4 1/2" frame depth
- 0.070" wall thickness of vinyl (frame)
- 0.076" wall thickness of vinyl (sash)
- Fusion welded main frame and sash members for extra strength
- Galvanized steel reinforcements

#### 4.) Type of hardware

- Heavy-duty tandem wheel, adjustable roller system
- Hand-operated interior locks
- Footbolt lock
- Wide variety of locking and operating hardware options

#### 5.) Performance

- Structural (Test reports available upon request)

#### 6.) Glazing

- 7/8" insulated
- Capillary tubes (optional)
- Argon gas (optional)
- Wide variety of glazing, tinting and thickness options

#### 7.) Muntin choices

- Internal or simulated divided lites

#### 8.) Finish

- Highest grade of Blue-White Poly(Vinyl Chloride)(uPVC)
- Beige or sandstone color vinyl (optional)

#### 9.) Screen choices

- Fiberglass screen (standard)
- Stainless steel or aluminum screen
- Victor hinged screen

#### 10.) Panning & Trim choices

- Interior trim available



**VINYL GLIDE SERIES(SGD-R25)**  
 SLIDING GLASS DOOR  
 4 1/2" FRAME DEPTH

<b>MODEL</b>	Thermalized Sliding Glass Door
<b>SERIES</b>	VINYL GLIDE Series
<b>CLASS</b>	SGD-R25
<b>OPERATION</b>	
<b>MAXIMUM SIZE</b>	AAMA structural test size is 5' -11"x6' -8". For minimum and maximum contact Quaker Window Products.
<b>GLAZING THICKNESS</b>	7/8" Insulated glass
<b>MULLING</b>	Mulls to picture window
<b>FINISHES</b>	Highest grade of Blue-White Vinyl(uPVC). Available in white, beige and sandstone.
<b>MUNTINS</b>	Between-the-glass muntins optional
<b>SCREENS</b>	Screen with aluminum frame and wire mesh cloth
<b>OPERATING FORCE(LBS)</b>	10# to maintain motion
<b>CURVED SHAPES</b>	Radius and Circle tops available

**PERFORMANCE**

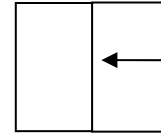
The performance numbers listed below represent independent laboratory test on Quaker Windows at the time of publication. Please contact Quaker Window for the most recent performance data.

Model	Performance Class	Structural Load P.S.F.	Air At 25 MPH(cfm/ft <sup>2</sup> )	Water (No Penetration) PSF	CRF Condensation Resistance Factor	U-value
Sliding Door	SGD-R25	37.59	.18	3.76	NA	0.30

**STC Rating: (Contact Quaker Window for glazing options and optional STC Ratings)**

Note: Numbers listed are subject to change without notice.  
 Thermal tests were conducted with Low E glazing and Argon gas.  
 U value tests were conducted using Low-E.

NA- Not available at time of publication



QUAKER WINDOW PRODUCTS CO, INC.  
**VINYL GLIDE SERIES – SLIDING GLASS DOOR (SGD-R25)**  
**(4 1/2” Frame Depth)**

Quaker Window Products reserves the right to change any and all designs without notice. Due to periodic re-certification requirements, results shown may vary slightly.

**PART 1 - GENERAL**

**1.01 TESTING AND PERFORMANCE REQUIREMENTS**

**C. Specific Performance Requirements:** Windows shall conform to specified AAMA/NWDA 101/I.S.2-97 **SGD-R25** requirements at a minimum test size of **5’-11”x 6’-8”** (7/8” I.G.-1/8” panes) and following, whichever are the more stringent:

1. **Air Infiltration Test:** With the sash in a closed and locked position, the window shall be subjected to an air infiltration test in accordance with ASTM E 283. Air infiltration shall not exceed **(0.11 cfm/ft²)**.

2. **Water Resistance Test:** The glazed unit shall be mounted in its vertical position continuously supported around perimeter and the sash placed in the fully closed and locked position. The window unit shall be subjected to a water resistance test in accordance with ASTM E 331 and ASTM E 547, using a static pressure of **3.75 psf** with no uncontrolled water leakage.

Testing shall be performed on windows both with and without an available insect screen.

3. **Uniform Load Structural Test:** Per ASTM E 330. At the conclusion of tests, there shall be no glass breakage, permanent damage of fasteners, hardware parts or any other damage causing the window to be inoperable at **37.59 psf**.

4. **Operating Force:** Per ASTM E 2068. Each movable panel shall operate in either direction with a force of **10 lbf** to maintain motion.

**1.02 QUALITY ASSURANCE**

**A. Standards:** Except as otherwise indicated, requirements for aluminum windows, terminology and standards of performance and fabrication workmanship are those specified and recommended

in ANSI/AAMA 101 and applicable general recommendations published by AAMA and the AA.

**PART 2 - PRODUCTS**

**2.01 MATERIALS**

**A. Vinyl Extrusions:** All extruded sections shall be of Poly (vinyl chloride) (uPVC).

**B. Hardware:** Hardware having component parts which are exposed shall be of aluminum, stainless steel, or other non-corrosive materials compatible with vinyl.

**C. Weatherstripping:** Provide double weatherstripping using silicone-coated woven pile with polypropylene fin center where specified with AAMA 701.

**D. Glass:**

1. All glazing shall be glazed at the factory as follows:

a) All units shall be constructed to an overall minimum thickness of 7/8” with two lites of DSB (1/8”), 3/16” or 1/4” (as size and loading requires)

2. Glazing Options: Optional glazing such as tinted, laminated, tempered, reflective, low-E, argon-filled and others are available upon request.

**E. Rollers and Roller Assembly:** Moveable panels shall be fitted with rollers and roller assemblies conforming to AAMA 506.3-87. Rollers and roller assemblies shall be designed to provide easy movement and to adequately support the panel during extended usage without deforming or developing flat spots.

**2.02 FABRICATION**

**A. Sliding Glass Door Members:** All sliding glass door members shall be of vinyl. (Unless Indicated Otherwise).

1. Main frame and insert members wall thickness shall meet all specification of AAMA/WDMA/CSA 101/I.S.2/A440-05.

2. Depth of frame and sash shall not be less than 4 1/2”.

**B. Assembly:** The windows shall be assembled in a secure and workmanlike manner to perform as hereinafter specified. All joints of the main frame and the sash shall be mitered and joined neatly and secured by the means of fusion welding.

**C. Sash Construction:** All panels shall be of mitered construction and fusion welded. The meeting rails shall interlock in the closed position. The meeting rail interlock shall consist of two separate and distinct interlocks containing fin seal weatherstripping as an integral part of the both interlocks.

**E. Glazing**

1. Units shall be “drop glazed” with a snap-in glazing stop. The exterior is bead glazed with a hot melt type backbedding.

**F. Screens**

1. Screens frames shall be extruded aluminum
2. Screen mesh shall be (aluminum or fiberglass)

**PART 3 - EXECUTION:**

**3.01 INSTALLATION:**

**A.** Comply with manufacturer’s specifications and recommendations for installation of window units, hardware, operators and other components of work. In no case shall attachment to existing structure or to components of the window system be through or abridge the thermal barriers of the replacement windows.

**B.** Set units plumb, level and true to line, without warp or rack of frames or sash. Anchor securely in place. Separate aluminum and other corrodible surfaces from sources of corrosion or electrolytic action. Windows must be securely blocked and fastened.

**C.** Wedge insulation between frames of new windows and construction to remain, or between frames and new blocking as applicable. Compress fiberglass to not less than 50 percent of original thickness.

**D.** Set sill members and other members in bed of compound as shown, or with joint filler or gaskets as shown, to provide weathertight construction. Seal units following installation and as required to provide a weathertight system.

**E. Fasteners:** Aluminum, stainless steel, or other materials warranted by manufacturer to be non-corrosive and compatible with aluminum window members, hardware and other components of the windows.

**3.04 OPERATION AND MAINTENANCE:**

**A.** Adjust operating sash and hardware to provide tight fit at contact points and at weatherstripping. Adjust also for smooth operation and a weathertight closure.

**B.** Clean vinyl surfaces promptly after installation of windows, exercising care to avoid damage to the

finish. Remove excess glazing and sealant compound, dirt and other substances.

1. Lubricate hardware and moving parts

2. For frame and sash cleaning, use a common window cleaner or mild detergent solution with a regular cloth. After cleaning, be sure to thoroughly rinse all surfaces with clean water to remove any detergent residue.

**C.** Clean glass promptly after installation of windows. Remove glazing and sealant compound, dirt and other substances.

1. Use a common window cleaner with a lint-free cloth or chamois.

2. Do Not Use:

a) Caustic or abrasive cleaner or any silicon-based solvents on the frame or sash surfaces, as they may damage or discolor the finish

b) Petroleum-based lubricants as they may discolor the finish

c) Insecticides (bug spray) on or near window surface. Contact of insecticides with the finish could damage or discolor the window surface.

**D.** Initiate all protection and other precautions required to ensure that window units will be without damage or deterioration at time of acceptance.

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# VINYL GLIDE SERIES PATIO DOOR (SGD-R25)

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