



5900 MAJESTIC SERIES VINYL SLIDING GLASS DOOR

SLIDING GLASS DOOR SPECIFICATIONS

General:

Windows shall be series 5900, 5901, 5920, 5921, 5930, 5950, 5960 and 5980 sliding door systems as described in the brochure and manufactured by International Window Corporation (Select one).

Material:

Frames and sash members shall be white, or desert sand UPVC. (Select one).

Construction:

Corners of all frames and panels shall be miter cut and fusion welded to present neat, tight fitting joints. Nailing fin shall be pre-punched for installation. Vent panels shall be the "lift out" type to facilitate cleaning. Interlocks shall be provided on the sliding panel and fixed panel for complete control of water and air leakage.

Weatherstripping:

The wool pile shall be friction-resistant silicone treated and contain a center fin to form a continuous single plane barrier between panels and frame.

Glazing:

Tempered safety glass is standard on all doors. Fixed and sliding panels shall be constructed to allow for either shop or field glazing and installation into the frame either before or after plastering.

Hardware:

All white or desert sand doors shall have a matching finish handle and a mortise type lock with hold open latch. A keyed cylinder may be applied either before or after installation to operate the lock from the outside. Steel tired rollers in heavy cadmium plating housing shall be adjustable after installation for alignment and ease of operation.

Screens:

Screen frames shall be heavy gauge aluminum extrusion profiles. Screens shall have adjustable ball bearing type rollers in all four corners which will not allow the screen to leave the track when properly adjusted. The screen cloth shall be 18 x 16 fiber glass mesh. Screens shall not interfere with the operation of sliding panels or impede water drainage from the sill.

Erection:

All door frames shall be set by others in a level, plumb and square condition without distortion. Frame and panels must be installed without forcing, springing or bowing. Units shall be properly caulked to prevent water leakage. After installation, the general contractor shall be responsible for protecting the units during the balance of construction. Upon completion of construction, the general contractor shall be responsible for cleaning the PVC and glass without the use of abrasive agents.

Performance tested to:

- AAMA/ANSI 101/I.S.2-97 Standards
- Security tested to California & L.A. County ordinance
- Thermally tested to NFRC 100 and 200.
- Sealed insulated glass to "A" Level
- Sound tested to ASTM E90-99. STC determined in accordance with ASTM E 413-87.
- Tempered glass tested to Z97.1.

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SLIDING GLASS DOOR NFRC

5920 SERIES 3/4" INSULATING GLASS UNIT PERFORMANCE	U-Factor Residential Only						SHGC			Visible Light		
	Air fill	w/ Argon	Sculp Grid	Sculp Grid w/ Argon	1/8" x 3/4" Grid	1/8" x 3/4" Grid w/ Argon	Sculp Grid	1/8" x 3/4" Grid	Sculp Grid	1/8" x 3/4" Grid		
DS clear/ DS clear	0.51	0.49	0.52	0.49	0.51	0.49	0.63	0.52	0.57	0.66	0.53	0.59
3/16 clear/ 3/16 clear	0.52	0.49	0.53	0.51	0.53	0.51	0.60	0.49	0.55	0.65	0.52	0.58
1/4 clear/ 1/4 clear	0.54	0.51	N/A	N/A	0.54	0.51	0.58	N/A	0.53	0.64	N/A	0.58
DS EnergyShield/ DS clear	0.36	0.32	0.38	0.34	0.36	0.32	0.32	0.27	0.29	0.57	0.45	0.51
3/16 EnergyShield/ 3/16 clear	0.38	0.33	0.42	0.37	0.42	0.37	0.31	0.26	0.29	0.56	0.45	0.50
1/4 EnergyShield/ 1/4 clear	0.42	0.36	N/A	N/A	0.43	0.38	0.31	N/A	0.29	0.55	N/A	0.49
SB60 SolarGrey DS / DS clear	0.36	0.32	0.39	0.34	0.36	0.32	0.22	0.19	0.21	0.32	0.26	0.29
SB60 SolarGrey 3/16 / 3/16 clear	0.38	0.34	0.42	0.37	0.42	0.37	0.23	0.19	0.21	0.32	0.25	0.28
SB60 SolarGrey 1/4 / 1/4 clear	0.42	0.37	N/A	N/A	0.43	0.38	0.21	N/A	0.20	0.30	N/A	0.27
DS bronze/ DS clear	0.51	0.49	0.52	0.49	0.51	0.49	0.52	0.43	0.47	0.49	0.39	0.44
3/16 bronze/ 3/16 clear	0.52	0.49	0.53	0.51	0.53	0.51	0.46	0.38	0.42	0.43	0.34	0.38
1/4 bronze/ 1/4 clear	0.54	0.51	N/A	N/A	0.54	0.51	0.43	N/A	0.39	0.39	N/A	0.35
3/16 Solarcool/ 3/16 clear	0.52	0.49	0.53	0.51	0.53	0.51	0.31	0.26	0.29	0.17	0.14	0.15
DS grey/ DS clear	0.51	0.49	0.52	0.49	0.51	0.49	0.48	0.40	0.44	0.44	0.35	0.40
3/16 grey/ 3/16 clear	0.52	0.49	0.53	0.51	0.53	0.51	0.42	0.35	0.39	0.37	0.29	0.33
1/4 grey/ 1/4 clear	0.54	0.51	N/A	N/A	0.54	0.51	0.39	N/A	0.36	0.32	N/A	0.29
DS greylite # 31/ DS clear	0.51	0.49	0.52	0.49	0.51	0.49	0.39	0.33	0.36	0.22	0.18	0.20
1/4 greylite # 31/ 1/4 clear	0.54	0.51	N/A	N/A	0.54	0.51	0.30	N/A	0.27	0.10	N/A	0.09
DS Azurelite/ DS clear	0.51	0.49	0.52	0.49	0.51	0.49	0.41	0.34	0.37	0.57	0.45	0.51
3/16 Azurelite/ 3/16 clear	0.52	0.49	0.53	0.51	0.53	0.51	0.36	0.30	0.33	0.52	0.42	0.47
1/4 Azurelite/ 1/4 clear	0.54	0.51	N/A	N/A	0.54	0.51	0.33	N/A	0.30	0.50	N/A	0.45
DS bronze/ DS EnergyShield	0.36	0.32	0.38	0.34	0.36	0.32	0.31	0.26	0.29	0.42	0.34	0.38
3/16 bronze/ 3/16 EnergyShield	0.38	0.33	0.42	0.37	0.42	0.37	0.29	0.24	0.26	0.36	0.29	0.33
1/4 bronze/ 1/4 EnergyShield	0.42	0.36	N/A	N/A	0.43	0.38	0.26	N/A	0.24	0.33	N/A	0.30
DS grey/ DS EnergyShield	0.36	0.32	0.38	0.34	0.36	0.32	0.31	0.26	0.29	0.42	0.34	0.38
3/16 grey/ 3/16 EnergyShield	0.38	0.33	0.42	0.37	0.42	0.37	0.26	0.23	0.24	0.31	0.25	0.28
1/4 grey/ 1/4 EnergyShield	0.42	0.36	N/A	N/A	0.43	0.38	0.23	N/A	0.22	0.28	N/A	0.25
DS Azurelite/ DS EnergyShield	0.36	0.32	0.38	0.34	0.36	0.32	0.31	0.26	0.28	0.49	0.39	0.44
3/16 Azurelite/ 3/16 EnergyShield	0.38	0.33	0.42	0.37	0.42	0.37	0.29	0.24	0.26	0.45	0.36	0.40
1/4 Azurelite/ 1/4 EnergyShield	0.42	0.36	N/A	N/A	0.43	0.38	0.26	N/A	0.24	0.42	N/A	0.38
3/16 Solex/ 3/16 EnergyShield	0.38	0.33	0.42	0.37	0.42	0.37	0.30	0.26	0.28	0.50	0.40	0.45

U-Value is the overall coefficient of heat transmittance of heat flow measured in BTU/hr.* ft2* °F. Lower U-Values indicate better performance. Winter nighttime U-Values are calculated using an outdoor air temperature of 0°F and indoor air temperature of 70°F.

Solar Heat Gain Coefficient is defined that fraction of incident solar radiation that actually enters a building through the window as heat gain. The SHGC is expressed as a dimensionless number from 0 to 1.0 A high coefficient signifies high heat gain, while a low number means low heat gain.

Visible Transmittance is the amount of light in the visible portion of the spectrum that passes through a glazing material. This property does not directly affect heating and cooling loads in a building.