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Sunroom Series | Product Data Sheet

Orientation	Glazing Make-Up	U-Factor	SHGC	VT
Vertical				
Overhead				

Overview	General	Sunroom systems are comprised of our 4000 frame series vertical wall with the overhead made up with either our 4843 frame system or our 30258 heavy frame system.
Thermal Performance	NFRC Rated	Vertical and overhead systems are certified by National Accreditation & Management Institute and rated by the National Fenestration Rating Council (NFRC) for thermal performance. Ratings are as shown above per glazing make-up.
Vertical Structural Performance	Structural	Deflections in structural members shall be limited to L/175 under fully loaded conditions, per ASTM E 330 at 150% of positive and negative wind load design pressures for a duration required by design wind velocity without assembly evidencing material and deflection failures or permanent deformation of structural members exceeding 0.2% of span. Job specific calcs upon request.
	Air Infiltration	Untested
	Water Penetration	Untested
Overhead Structural Performance	Structural	Deflections in structural members shall be limited to L/175 under fully loaded conditions, per ASTM E 330 at 150% of positive and negative wind load design pressures for a duration required by design wind velocity without assembly evidencing material and deflection failures or permanent deformation of structural members exceeding 0.2% of span.
	Air Infiltration	Air infiltration per. Air leakage shall not exceed 0.06 cfm/sq. ft. of assembly surface when tested with a pressure of 6.24 psf.
	Water Penetration	Water penetration per ASTM E 331. No water penetration when tested with a pressure differential of 30.0 psf. System designed to drain migrating moisture occurring from condensation to exterior through weep drainage network.
Primary Materials	Aluminum	Aluminum extruded components shall be alloy 6063-T5 or 6063-T6, of sufficient thickness for this application, and as required per structural calculations; ASTM B 221. Aluminum sheet and plate shall be alloy 5052-H32 per ASTM B 209.
	Glass Glazing	Dual seal silicone insulated glass units. Certified in accordance to IGCC/IGMA program. Glass thickness as required by the span and loads. Laminated glass (if included) shall include a minimum interlayer thickness of 0.030"
Installation	General	Framing shall be installed and glazed by experienced workmen in accordance with the approved shop drawings, manufacturer's instructions and glazing standards.
	Compatible Sealants	Neutral-Cure silicone is required. Sealants containing Acetoxy (often listed as a base element in chemicals such as methyltriacetoxysilane) should NOT be used with IG units.
Cleaning and Maintenance	General	Periodic cleaning and rinsing of all surfaces warm water with mild soap, using a dish soap such as Joy® or Palmolive® is recommended. Warm water is important to prevent thermal shock and glass breakage. Avoid cleaning in the hot sun.
Warranty	Summary	Warranted against manufacturer's defects for a period of ten (10) years from date of purchase. Solar Smart operators (if used) warranted for two (2) years.
	Minimum Pitch	A minimum pitch of 2/12 is required for all glass skylights.
	Stipulations	Replacement units will be remanufactured in the same size and type as the original units only and does not include removal of defective unit or installation of replacement unit.