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## Custom Sloped Glazing | Product Data Sheet

Frame	Glazing Make-Up	U-Factor	SHGC	VT

Overview	General	Custom sloped glazing systems are made up with either our 4843 frame system or our 30258 heavy frame system.
Thermal Performance	NFRC Rated	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.
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 & Installation	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.
		Dual seal silicone insulated glass units. Certified in accordance to IGCC/IGMA program. Glass thickness as required by the span and loads.
	Glass Glazing	Laminated glass (if included) shall include a minimum interlayer thickness of 0.030" <ul style="list-style-type: none"> <li>Compliant to IBC 2405.2 and 2405.3 Screening.</li> <li>Compliant to UFC 4-010-01 criteria for Conventional Construction Standoff Distance per ASTM F 2248</li> <li>Saflex white laminated glass (if included) has a measured haze value greater than 90% per ASTM D1003.</li> </ul>
	Polycarbonate Multi-wall Sheet	<ul style="list-style-type: none"> <li>Fire rating: Class A per ASTM E-84. Class CCI per ASTM D-635. Maximum Flame Spread/Smoke Development: 0/85</li> <li>Impact resistance, when tested in accordance with ASTM D 5420 (Drop Dart): &gt;72 foot-pounds (271.16 N m) for 1/4-inch (6 mm) thick material.</li> <li>Weather resistance, when tested for 1500 hours in accordance with ASTM G 53 and QUV 313B</li> <li>Coating integrity: Intact after testing period.</li> <li>Compliant to IBC 2405.2 and 2405.3 Screening.</li> <li>Compliant to UFC 4-010-01 criteria for Conventional Construction Standoff Distance per ASTM F 2248</li> </ul>
	General	Framing shall be installed and glazed by experienced workmen in accordance with the approved shop drawings, manufacturer's instructions and glazing standards.

Finishes	Anodized	Class II clear or color anodic finish per AA_M12C22A32/A34 complying with AAMA 611.
	Custom Wet Paint	Class II integrally colored painted finish which meets or exceeds the minimum AAMA Specification and tested in accordance with ASTM D3363, ASTM D1730, ASTM D1400, and ASTM D3359.
	“Kynar” Finish	Fluoropolymer two coat thermocured system consisting of not less than 70% polyvinylidene fluoride resin by weight, complying with AAMA 605.2.
Primary Materials Cleaning and Maintenance	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.
	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 glazing.
Cleaning and Maintenance	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.