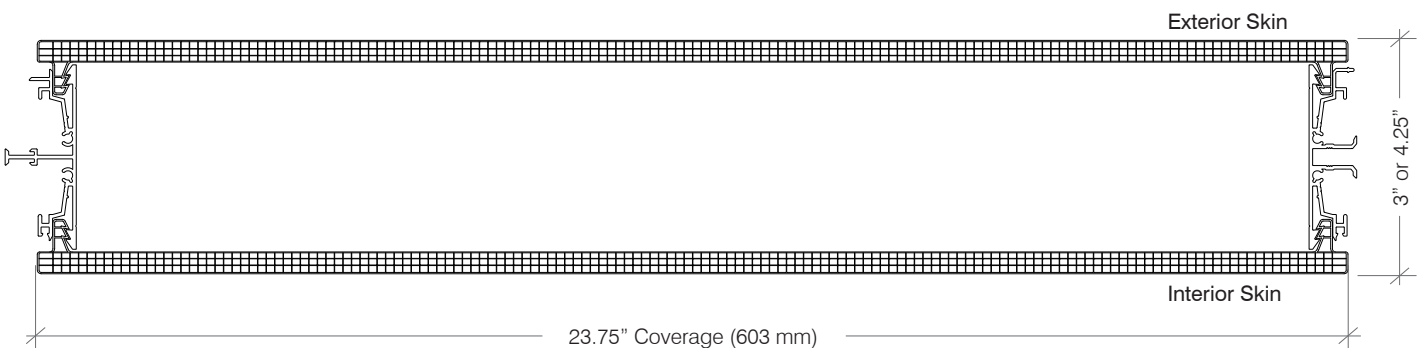


Product Data Sheet



Product Specifications

Thickness:	4.25 in (108 mm) & 3 in (76 mm)
Width:	2 ft nominal (23.75 in) (603 mm)
Length:	Up to 44 ft long
Panel Weight:	1.5-2 lbs/ft ²
Technology:	Removable Skin Technology (RST) - Allows for the removal of the exterior panel while the interior panel remains in place
Panel Joint:	Structural member, mechanically interlocking, sealed joint
Exterior Skin:	10 mm Pentaglas [®] translucent panel with Nano-Cell [®] extrusion
Interior Skin:	10 mm Pentaglas [®] translucent panel with Nano-Cell [®] extrusion
Color Options:	Standard - Clear matte, white matte, ice white matte, blue matte, green matte Consult KLA for other available color options, including bronze matte, gray matte, white pearl low-E, and other exotic colors Note: all colors are available with a non-matte finish upon request
Bi-Color System:	Option to select one color for the exterior glazing panel, and a different color for the interior glazing panel



Test Description	Test Procedure	Results & Comments
Code Compliance, IBC Uniform Load Structural / Spans	ICC -ES report ESR-1253 ASTM E330	Complies as specifically detailed in the ESR-1253 report *Consult KLA for job specific span capabilities
Cyclic Test	ASTM E1886	Pass- 100 psf, Wind Zone 4
Large Missile Impact	ASTM E1996 / E 1886 FBC 2014, TAS 201	Pass - Missile Impact Level D, Wind Zone 4 Pass - Missile Impact Level D, 354 lbf-ft
High Velocity Hurricane Zone (HVHZ)	TAS 201, 202, 203	FL17695 - Approved for design load of +/-100 psf Higher loads or larger spans are available. *Consult KLA for job specific span capabilities
Concentrated Load 3" Diameter	ASTM E661	No Damage, 400 lbf load
Concentrated Load 1 sqf Area	(OSHA) 29 CFR Section 1910.23(e)(8) California Code of Regulation Title 8, Section 1632 (b)(3) California Code of Regulation Title 8, Section 3212(b)	No Damage 600 lbf load No Damage 600 lbf load No Damage 600 lbf load
Water Penetration	ASTM E331	Pass - 15 psf
Air Infiltration	ASTM E283	Pass requirements per NFRC 400 at 1.57 psf and 6.24 psf Canadian CSA Standard
U-Factor	NFRC 100	0.23 to 0.08 center of glass
SHGC	Calorimeter	0.41 to 0.08 subject to color selections
Fire	ASTM E1929, D2843, D635	Approved light transmitting plastic with CC1 Rating
Interior Flame Spread	ASTM E84,CAN/ULC,S102.2-M88	Class A Rating
Sound Transmission Loss - STC	ASTM E90, E413, E1332, E2235	Standard STC rating is 26 Special panels with acoustical inserts are available at STC rating of 30-43

*Spanning capabilities are dependent on project specific design loads, which are determined based on several different factors, including location on the building, height above ground, wind speed, etc.

Span Guidelines

Panel Thickness	Design Load (PSF)	Allowable Span (ft)
4.25 in	20	12.55 ft
	30	10.96 ft
	40	9.96 ft
	60	8.70 ft
	100	7.15 ft
3 in	20	8.10 ft
	30	7.08 ft
	40	6.43 ft
	60	5.62 ft
	100	4.65 ft

Note: The spans specified are intended to serve as a guide only. Spanning capabilities are governed by the International Building Code (IBC) and the deflection limitations as per IBC table 1604.3. Longer spans can be achieved for applications allowing larger deflections than stated per the IBC.

Deflection is limited to 1/120 of clear span for each assembly component of aluminum framing and panel joint in accordance with IBC Table 1604.3 for exterior walls with flexible materials.

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