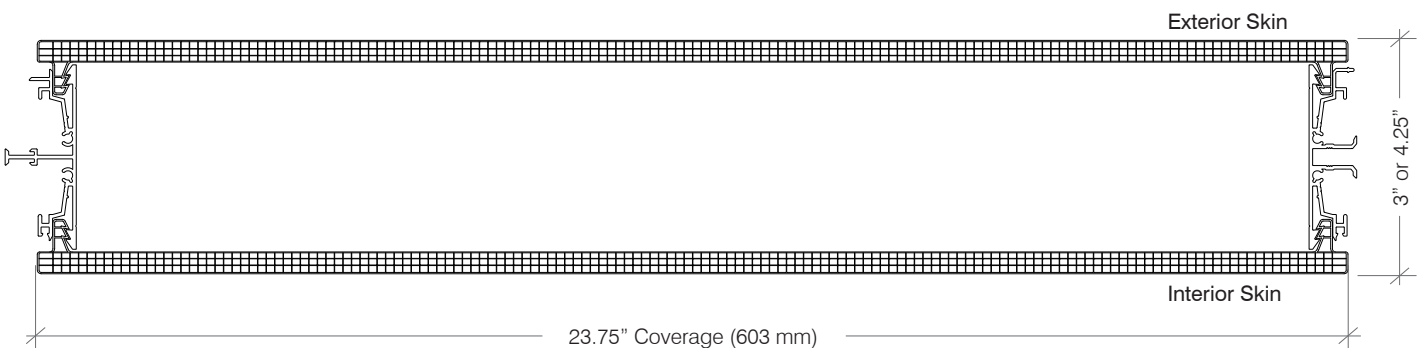


Product Data Sheet



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 CPI 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	ICC -ES report ESR-1253	Complies as specifically detailed in the ESR-1253 report
Uniform Load Structural / Spans	ASTM E330	*Consult CPI Daylighting for job specific span capabilities
Cyclic Test	ASTM E1886	Pass- 100 psf, Wind Zone 4
Large Missile Impact	ASTM E1996 / E 1886	Pass - Missile Impact Level D, Wind Zone 4
	FBC 2014, TAS 201	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 CPI Daylighting 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)	No Damage 600 lbf load
	California Code of Regulation Title 8, Section 1632 (b)(3)	No Damage 600 lbf load
	California Code of Regulation Title 8, Section 3212(b)	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	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.
	30	7.08 ft	
	40	6.43 ft	
	60	5.62 ft	
	100	4.65 ft	

CPI DAYLIGHTING INC is engaged in continuing research to improve its products. Therefore, the right is reserved to modify or change the data provided in this Technical Summary without notice. This is descriptive literature and does not constitute warranties, expressed or implied. For statement of warranty, contact CPI. The above tests were performed and verified by certified independent third parties. If you have questions on a specific test or product, please contact a CPI Representative. CPI Daylighting Inc. does not assure compliance with any plans or specifications and it remains the responsibility of the customer to confirm compliance of the product with applicable local, state, and national codes and other laws or regulations.