



QuadSpan™ Product Data Sheet

Formerly Quadwall® skylights

Polycarbonate Skylights + Roof Assemblies



Product Specifications

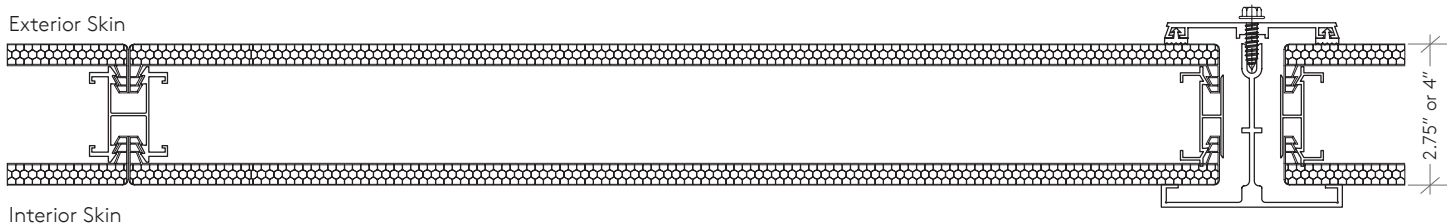
QuadSpan™ (formerly Quadwall®) two panel translucent skylight systems diffuse sunlight, provide excellent thermal performance, and are designed for easy installation. Glazing panels are pre-assembled and designed to span long distances, allowing for a clean aesthetic, and they feature Removable Skin Technology (RST) that allows the interior or exterior glazing to be replaced independently. QuadSpan™ systems are available in a wide variety of configurations, including vaults, single slopes, pyramids, polygons, ridges and curved systems, as well as fully custom designs.

Product Specifications

Thickness:	2.75 in. (70 mm) & 4 in. (102 mm)
Width:	2 ft. nominal (23 5/8 in.) (600 mm)
Length:	Up to 38 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 Nano-Cell® polycarbonate translucent panel
Interior Skin:	8 mm Nano-Cell® polycarbonate translucent panel
Color Options:	Standard - Clear, white, ice white, blue, green, bronze, gray Note: all colors are available with a matte finish upon request - consult for other available color options
Bi-Color System:	Color selected for the exterior skin may be different from the color selected for the interior skin

Flush Look

Panelized with Mullions



Testing/Performance

Test Description	Test Procedure	Results & Comments
Ignition Temperature, Smoke Density, and Combustibility Classification	ASTM D635, D1929, D2843, E84	Complies with Ignition Temperature and Smoke Density defined in IBC Section 2606.4. Combustibility Class: CC1. See ICC-ESR-4745 for full details.
Uniform Load Structural /Spans	ASTM E330	Span: 2 ft. to 10 ft. NOTE: PROJECT SPECIFIC SPANS MUST BE CALCULATED USING PROJECT SPECIFIC VARIABLES.
High Velocity Hurricane Zone (HVHZ)	TAS 201/202/203	Missile Impact Level D, Wind Zone 4, Up to 110 psf NOTE: PROJECT SPECIFIC SPANS MUST BE CALCULATED USING PROJECT SPECIFIC VARIABLES.
Concentrated Load 1 sqf Area	Per CA OSHA Sections 1632(b)(3), 3212(b) requirements	No damage - 800 lbs
Water Penetration	ASTM E331	Pass
Air Infiltration/Exfiltration	ASTM E283	Pass at 6.24 psf
U-Factor**	NFRC 100	U-Factor: 0.19 to 0.32 (4 in. panel)
Solar Heat Gain Coefficient (SHGC)**	NFRC 201	SHGC: 0.19 to 0.38 (4 in. panel)
Visible Transmittance (VT)**	NFRC 202	VT: 0.10 to 0.35 (4 in. panel)
Roof Assembly Classification	ASTM E108	Class A Class C
Sound Transmission Loss - STC	ASTM E90 / E1332	STC: 25-32 OITC: 17-25

Note: 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. Consult KLA for job specific span capabilities at higher loads

** Go to <https://search.nfrc.org/search/searchdefault.aspx> for complete list of Kingspan Light + Air NFRC listed products

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