



SKYLIGHT & DAYLIGHTING ACRYLIC FRP PANELS

AcrylitGC Light Transmitting Panels offer the highest performing panel available today for steel frame construction. AcrylitGC utilizes a proprietary integrated formulation of 100% Acrylic resin and Acrylic Gel Coating to provide superior long term protection against yellowing and deterioration. AcrylitGC also offers outstanding light diffusion and uniform natural illumination.

FEATURES

- Special 100% Acrylic Resin Formulation
- Minimum Loss of Light Transmission over the years
- 10 Year Warranty Against Yellowing
- 10 Year Warranty Against Fiber Bloom
- UL-90 Approved
- Excellent Impact Resistance
- Optional Woven Roving glass technology provides even greater strength when compared to other light transmitting panels.
- AcrylitGC panels provide excellent light diffusion and is fully compliant and supportive of CBSC under California Title 24 Mandated Guidelines.
- Coefficient of linear expansion closely resembles cold rolled steel resulting in NO LEAKS.

UV WEATHERING TEST

After 1000 Hours



Acrylit



Polycarbonate



Polyester

Physical Properties

Property	ASTM Std	Physical Properties	
		Chopped Glass Result	Woven Roving Result
Tensile Strength	D638	12,595 psi	25,772 psi
Tensile Modulus	D638	1.02 x 106 psi	1.52 x 106 psi
Flexural Strength	D790	29,151 psi	24,306 psi
Flexural Modulus	D790	0.97 x 106 psi	0.79 x 106 psi
Compressive Strength	D695	23,304 psi	28,905 psi
Compressive Modulus	D695	1.03 x 106 psi	1.5 x 106 psi
Barcol Hardness	D2583	40-50	40-50
% Elongation	D638	1.37%	1.90%
Izod Impact	D256	17.87	18.59
Building Code Class	-	CC2	CC2
Burning Rate	D635	<2.5 in/min	<2.5 in/min
Smoke Density	E84	105	95
Glass Content	D2584	26% ± 3%	34% ± 3%

AcrylitGC R Panel Span and Loading Table (8 oz.)

lbs. per sq. ft.	Chopped Glass	Woven Roving
Roofing 10psf	74"	76"
Roofing 20psf	65"	70"
Roofing 30psf	57"	63"
Roofing 40psf	48"	57"
Roofing 50psf	40"	50"
Roofing 60psf	31"	44"
Siding 10psf	77"	79"
Siding 20psf	71"	74"
Siding 30psf	65"	69"
Siding 40psf	59"	65"
Siding 50psf	53"	60"
Siding 10psf	47"	56"