

TECHNICAL DATA SHEET

GLASTEEL Acrylit^{GC} HIGH STRENGTH WOVEN STRAND FIBERGLASS

CBC R-Panel Roof Trans Panel		CBC R-Panel, Reverse R-Panel & A-Panel Wall Trans Panel	
Product Description: Consisting of an 8 OZ. 100 % Acrylic Translucent Panel Woven Roving combined with chopped strand Fiberglass Reinforcement			
Property		ASTM Std.	Typical Values
• Tensile Strength		• D638	• 25,772 psi.
• Tensile Modulus		• D638	• 1.52 X10 ⁶ psi.
• Flexural Strength		• D790	• 24,306 psi.
• Flexural Modulus		• D790	• 0.79 X 10 ⁶ psi.
• Compressive Strength		• D695	• 28,905 psi.
• Self-Ignition Temperature		• D1929	• GREATER THAN 650 ^o F
• *SMOKE DENSITY		• E-84	• <450
• Compressive Modulus		• D-695	• 1.5 X 10 ⁶ psi
• *Burning Rate		• D-635	• <2.5 in / min.
• *Uniform Building Code Classification		• D-635	• CC2
• Barcol Hardness		• D-2583	• 40-50
• *Light Transmission		• D-1494	• 55-60
• *U Factor (with Film Coefficients)		• NFRC 102-2004	• 1.08 BTU/ Hr ft ² °F
• * Linear Thermal Expansion		• D-638	• 1.9* X 10 ⁻⁵ IN. / IN./ ^o F
• Bearing Strength		• D-953	• 24.8 ksi (3.88)
• Water Absorption		• D-570	• 0.25% @ 72 ^o F /72 hrs.
• SOLAR HEAT GAIN		• NFRC 201-2004	• .45
• *SOLAR ABSORBTANCE		• E-903	• 77.73
• *REFLECTANCE AND EMMITANCE		• E-1371/E1918	• .58 / .91
• IZOD IMPACT		• D-4812	18.59 Ft-lb / in ²
• Luminous transmittance		• D 1003-07	• 77.18%
• Haze		• D-1003-07	• 112.78 %

Tolerances:

Panel Weight.....	+/-	10%
Rib Height.....	+/-	1/16th
Length.....	+/-	1/8th
Width.....	+/-	1/8th
SQUARENESS.....	+/-	1/8th

Codes and approvals:

ASTM-D3841	"Specifications for Glass Fiber-Reinforced Polyester Plastic Panels"UL90
Recognized Component File	(#R5214)
ICBO#	ER-2364

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