Glasteel™
Fiberglass Reinforced Panels
a division of Stabilit America Inc.

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TECHNICAL DATA SHEET

GLASTEEL **Acrylit GC** HIGH STRENGTH WOVEN STRAND FIBERGLASS

ABC R-Panel Roof Trans Panel	ABC 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 650^0 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 ft2°F
• * Linear Thermal Expansion	• D-638	• 1.9* X 10^{-5} IN. / IN./^{0} F
• Bearing Strength	• D-953	• 24.8 ksi (3.88)
• Water Absorption	• D-570	• 0.25% @ 72^0 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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