

HIGH STRENGTH ACRYLIC PBR PANEL

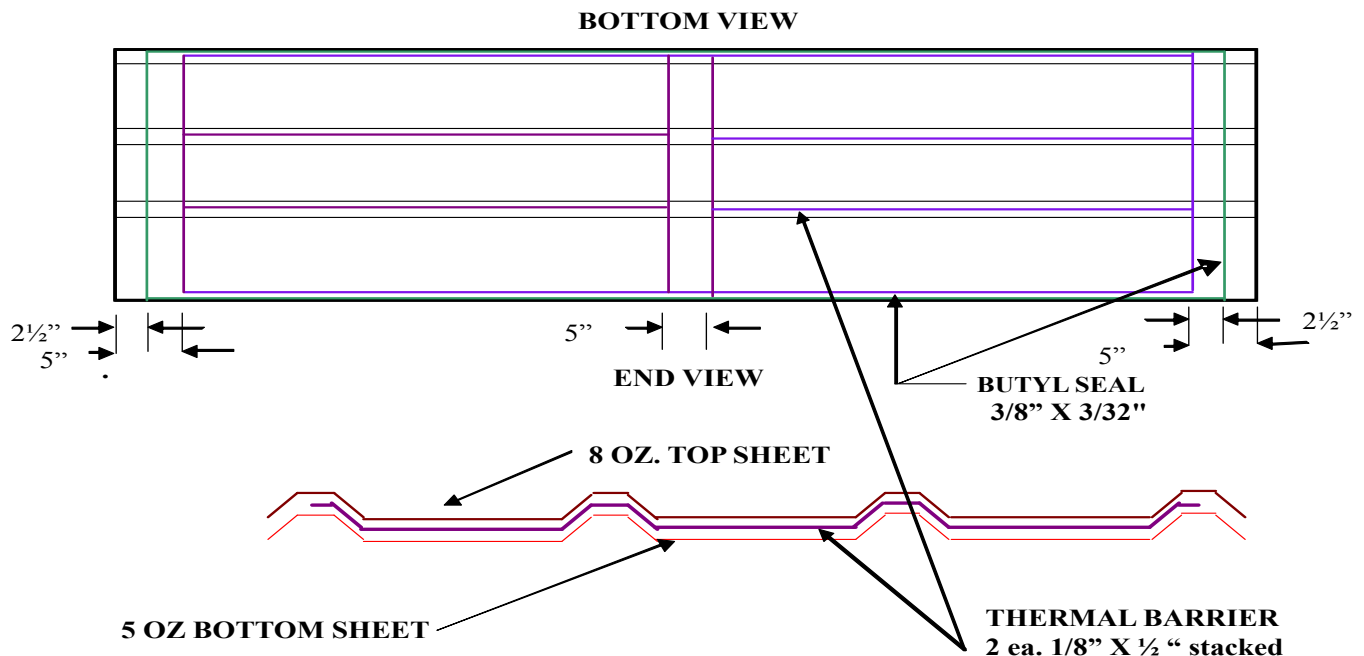
With Condensation Abatement Under-Panel

STANDARD CONFIGURATION

F&F ASSEMBLIES insulated light transmitting assembly consists of a full 8 oz. ACRYLIT light transmitting panel with a 5 oz. clear light transmitting panel laminated onto it utilizing a series of thermal breaks with compartmentalization to afford minimal loss of thermal conductivity in the event of penetration of hail etc..

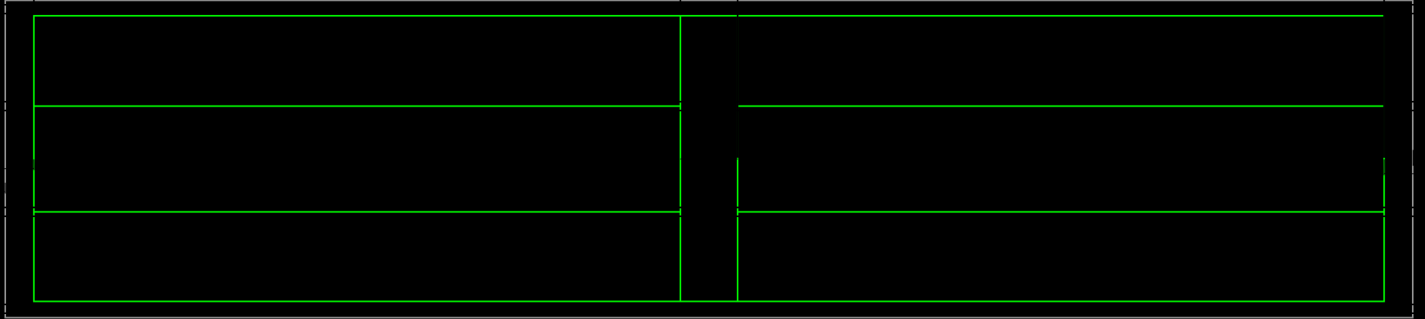
The F&F ASSEMBLIES Insulated System furnishes a "U" Factor of .61, which is a tested factor with test data included for the ACRYLIT SYSTEM.

The system is designed with fastener locations at both ends of the panel as well as the center section to allow for fastening across the center purlin and lap locations.

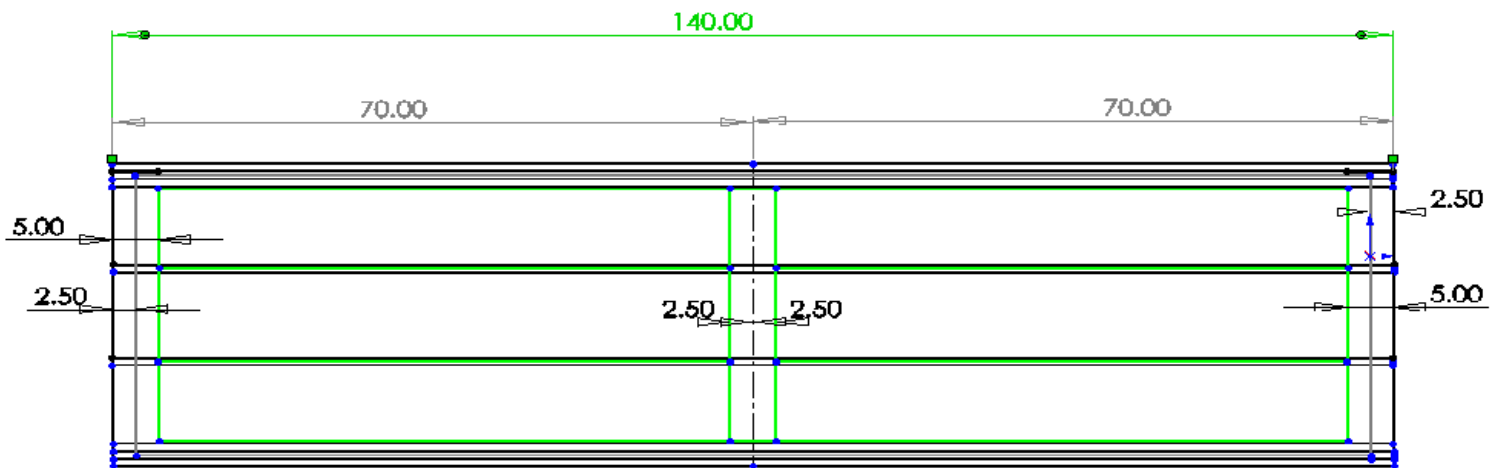


All dimensional variations of this system are subject to change at the discretion of the customer's engineering requirements.

10' - 8" Standard Dimensions



11' - 8" Standard Dimensions



TECHNICAL DATA SHEET

GLASTEEL Acrylit_{GC} HIGH STRENGTH FIBERGLASS PANELS

**Product Description: Consisting of an 8 oz. 100% Acrylic Translucent panel
Woven Roving Strand combined with chopped strand Fiberglass Reinforcement**

PHYSICAL PROPERTIES

Property	ASTM STD.	Typical Values
TENSILE STRENGTH	D-638	25,772 psi.
TENSILE MODULUS	D-638	1.52 X10 ⁶ psi
FLEXURAL STRENGTH	D-790	24,306 psi.
FLEXURAL STRENGTH	D-790	0.79 X10 ⁶ psi.
COMPRESSIVE STRENGTH	D-695	28905 psi.
SELF-IGNITION TEMPERATURE	D-1929	GREATER THAN 650 ⁰ F.
SMOKE DENSITY	E-84	<450
COMPRESSIVE MODULUS	D-695	105 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/ SINGLE SHEET	NFRC 102-2004	1.08 BTU / Hr ft ² F
U FACTOR/ DOUBLE SHEET (1 8oz & 1 5oz Fiberglass Panel)	NFRC 102-2004	.61 BTU / Hr ft ² F
R FACTOR/ SINGLE SHEET	Calculated	0.92592593
R FACTOR/ DOUBLE SHEET (1 8oz & 1 5oz Fiberglass Panel)	Calculated	1.6393443
LINEAR THERMAL EXPANSION	D-638	1.9 X 10 ⁻⁵ in./in./ ⁰ F
BEARING STRENGTH	D-953	24.8 ksi (3.889
WATER ABSORBTION	D-570	0.25% @72 ⁰ F / 72hrs.
SOLAR HEAT GAIN/ SINGLE SHEET	NFRC 201-2004	0.45
SOLAR HEAT GAIN / DOUBLE SHEET (1 8oz & 1 5oz Fiberglass Panel)	NFRC 201-2004	0.35
SOLAR ABSORBANCE	E-903	77.73
REFLECTANCE AND EMMITANCE	E-1371 / E-1918	.58 / .91
IZOD IMPACT	D-4812	18.59 Ft-lb / in ²
LUMINEOUS TRANSMITTANCE / SINGLE SHEET	D1003-07	77.18%
LUMINEOUS TRANSMITTANCE / DOUBLE SHEET (1 8oz & 1 5oz Fiberglass Panel)	D1003-07	60% Calculated
HAZE	D1003-07	112.78%

Tolerances:

PANEL WEIGHT-----+/- 10%
RIB HEIGHT-----+/- 1/16th
LENGTH----- +/- 1/8th
WIDTH-----+/- 1/8th
SQUARENESS-----+/- 1/8th

Codes and Approvals:

ASTM D-3841
Plastic Panels "UL90"
TEXAS WINDSTORM
FLORIDA APPROVAL

SPECIFICATIONS FOR GLASS FIBER-REINFORCED POLYMERS
Recognized Component File (#R5214)
RWA-03 (PDF)
(Roof FL-15531) (WALL FL 5614-R)

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