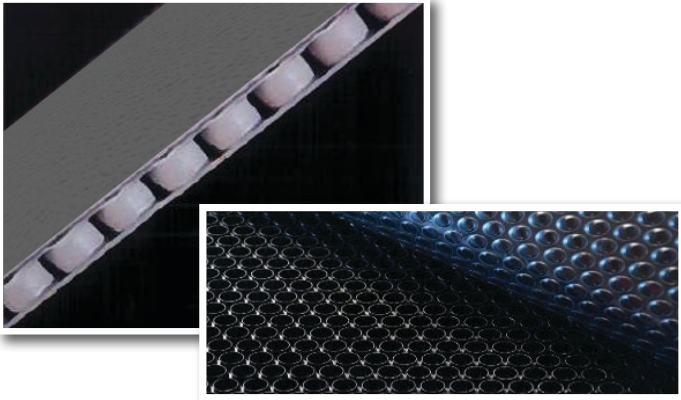


COLUMN CORR™

SUPERIOR STRENGTH TO THICKNESS RATIO PANELS

ColumnCorr is a co-extruded layered panel, using a polypropylene thermoformed core with an aluminum, FRP or HDPE surface finish on 1 or 2-sides. The panel is specifically designed for applications where strength is desired, but thickness and weight are constraints. ColumnCorr offers excellent strength to thickness ratios and is very easy to install.



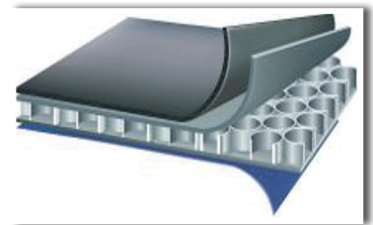
Physical and Engineering Properties of FRP			
	ASTM	LP-F9	LP-FR-FR
		CLASS C	CLASS A
Barcol Hardness	D2583	40 Avg	35 Avg
Flexural Strength	D790	17,000 psi	10,000 psi
Flexural Modulus	D790	6.0 x 10 ⁵ psi	3.1 x 10 ⁵ psi
Tensile Strength	D638	8,000 psi	7,000 psi
Tensile Modulus	D638	9.43 x 10 ⁵ psi	3.1 x 10 ⁵ psi
Elongation	D638	1.2	1.8
Water Absorption	D570	0.17	0.72
Izod Impact	D256	7	7.16
Coefficient of Linear Thermal Expansion	D696	1.6 x 10 ⁵ psi	2.39 x 10 ⁵ psi
Specific Gravity	D792	1.53	1.5743
Abrasive Resistance	Taber	0.293	0.391

PANEL OPTIONS

- Standard Sizes:
4'x8', 4'x10'
- Surface Thickness Options:
.03, .05, .09, .10
- Core Thickness Options:
3mm, 4mm, 5mm, 8mm, 9.5mm
- Aluminum and Vinyl Trims Available

Additional surfaces available.

Property	Method	Units	3mm	4mm	5mm	8mm	9.5mm
Board Weight		g/sqft	85	113	137	238	305
Tensile Strength	ASTM D638	PSI	930	830	790	810	770
Flexural Modulus	ASTM D790	PSI	80,000	84,000	90,000	94,000	125,000
Compression Strength	Internal	LBF	100	170	150	205	350
90° Corner Crush	Internal	LBF	193	270	350	850	930



All testing was conducted on specimens cut from extruded board. Tensile testing completed using a Type I specimen and 2 in/minute crosshead speed. Flexural Modulus value generated based on a 0.05 in/minute crosshead speed. Compression Strength value generated based on a 2"X2" specimen, a 0.5 in/minute crosshead speed, and 20% Strain. Corner Crush value generated based on a 6"X6" specimen

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