

Custom Composites




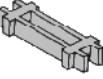
RESIN SYSTEMS

Because different applications present different requirements, Custom Composites offers three resin systems in our molded grating. VE (Bisphenol Vinyl Ester) provides a maximum level of corrosion resistance. ISO (Isophthalic Polyester) provides an intermediate level of chemical resistance in moderately corrosive environments. For mildly corrosive applications such as marine and waste water, we also offer an excellent line of GP (General Purpose) resin molded grating.

Resin Type	Performance	Resin System	Flame Spread Rating ASTM E84	Color*
VE	Superior corrosion resistance to strong acids & bases. Inherent toughness and high elongation.	Vinyl Ester	Class 1, 25 or less	Orange
ISO	Excellent corrosion resistance including solvent resistance.	Isophthalic Polyester	Class 1, 25 or less	Green Yellow Gray-light/dark
GP	Good corrosion resistance. Good for marine, waste water, ect. applications	Polyester	Class 1, 25 or less	Green Yellow Gray-light/dark

*Other colors available upon request

STANDARD GRATING SIZES

Grating Style	Grid Size & Thickness	Bar Size	Structural Properties	Panel Size
	1 1/2 x 1 1/2 inch grid 1 inch thick	Space Between Bars: 1.20 inch Bar Thickness: 0.30 inch Approximate Open Area: 64%	Average EI= 300,000 Lb-in ² where A=1.92in ² I= .16in ⁴ S= .32in ³	36" x 120" 48" x 96" 48" x 144" Approx Weight: 2.7lb/ft ²
	1 1/2 x 1 1/2 inch grid 1 1/2 inch thick	Space Between Bars: 1.20 inch Bar Thickness: 0.30 inch Approximate Open Area: 64%	Average EI= 900,000 Lb-in ² where A=2.75in ² I= .52in ⁴ S= .69in ³	36" x 120" 48" x 96" 48" x 144" 60 x 120" 60 x 156" Approx Weight: 3.9lb/ft ²
	2 x 2 inch grid 2 inch thick	Space Between Bars: 1.67 inch Bar Thickness: 0.33 inch Approximate Open Area: 69%	Average EI= 2,500,000 Lb-in ² where A=3.15in ² I= 1.05in ⁴ S= 1.05in ³	48" x 144" Approx Weight: 4.0lb/ft ²
	1 x 4 inch grid 1 inch thick	Space Between Bars: 0.75 x 3.5 inch Bar Thickness: 0.25 & 0.50 inch Approximate Open Area: 66%	Average EI= 500,000 Lb-in ² where A=2.72in ² I= .23in ⁴ S= .45in ³	48" x 144" Approx Weight: 3.4lb/ft ²