



# POLYCOR™ / AP

## Pontoon Fence Panels

PolyCor™ AP is a specially engineered composite material designed to meet the rigorous demands of external paneling applications.

PolyCor AP is a replacement for thin aluminum. It's structurally sound and is less likely to stress crack, even in extreme temperatures. It is made with transportation grade paint that is easy to clean and maintain. PolyCor AP also offers a more attractive, durable, and rigid fencing option for pontoons and specialty vehicles.

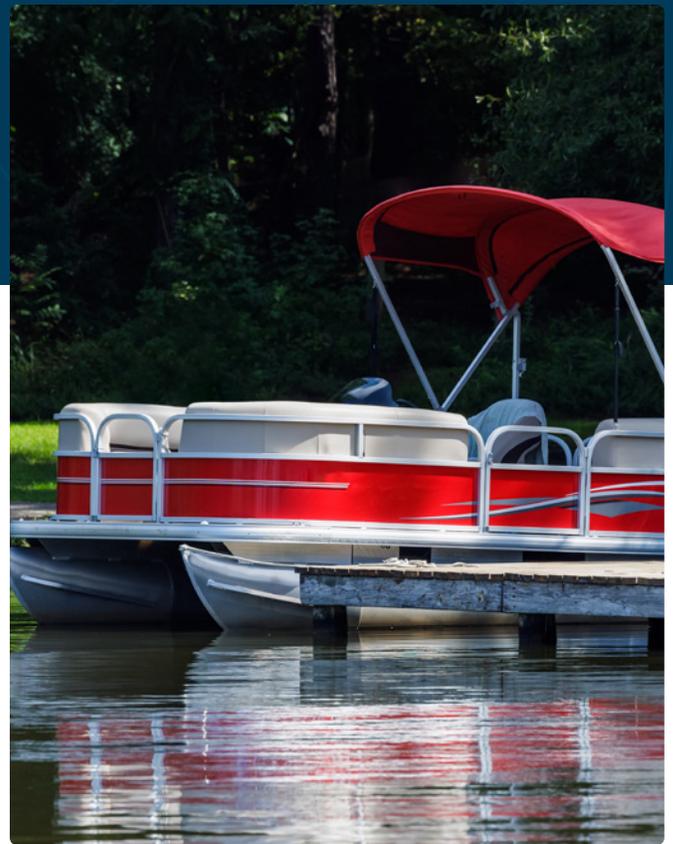
## Features & Benefits

- Completely Waterproof
- No Galvanic Corrosion
- Excellent Structural Stability
- Lightweight
- Paintable on Both Sides
- Excellent Chemical Resistance
- Simple to Clean
- Easily Color Matched
- Resistant to stress cracking
- And More

## Material Comparison

AVERAGE WEIGHT PER SHEET	
PolyCor AP	0.050" Aluminum
0.58 lbs/ft <sup>2</sup>	25% heavier

PolyCOR™ AP is UL compliant.



## Product Details

### Standard Colors

- Polar White
- Charcoal Grey
- Gloss Black
- Metallic Silver

### Standard Sheet Sizes

- 49" x 96" - 49" x 108"
- 49" x 144"

### Vibrant & Other Colors

- Victory Red
- True Blue
- Indigo Blue
- Caution Yellow
- Lucky Green
- Brandywine
- Construction Orange
- Brushed Aluminum
- Champagne
- Sahara Desert

### Sheet Sizes (Vibrant Colors)

- 49" x 96"

### Surface Finish

Available with paint on one or two sides



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## Physical Properties

PROPERTY	STANDARD	UNIT	VALUE
Gauge		mm	2mm (.08")
Gauge Tolerance		in.	± .008
Skin Thickness	DIN 1784	in.	.006
Skin Tolerance	DIN 1784	in.	± .0008
Length Tolerance		in.	± .118
Width Tolerance		in.	± .08
Horizontal Flatness	DIN ISO 1101	in.	.197
Longitudinal Roughness		in.	.315
Weight per Sheet		lbs/ft <sup>2</sup>	0.58

## Technical Properties

PROPERTY	STANDARD	UNIT	VALUE
Section Modulus W	DIN 53293	in <sup>3</sup> /yd	0.103
Rigidity (Poisson's ratio $\mu = .3$ ) E.I	DIN 53293	kNm <sup>2</sup> /m.	0.97
Modulus of Elasticity	EN 1999 1-1	lbs/ft <sup>2</sup>	10,153,660
Skin Tensile Strength	EN 485-2	lbs/ft <sup>2</sup>	≥ 21,030
.2% Proof Stress	EN 485-2	lbs/ft <sup>2</sup>	29 ≥ 13,053
Elongation	EN 485-2	%	3
Linear Thermal Expansion	EN 1999 1-1	mm/m/°C	2.4 at 100°C Temp diff. Approx: .000156/ft/°F
Temperature Range		°F	-58° - 176°
Thermal Conductivity	ASTM C518	W/(m-k)	0.080
Thermal Resistance (R-Value)	ASTM C518	(m <sup>2</sup> -K)/W	0.027

## Surface Properties

TESTING ITEM	COATINGS	STANDARD INDEX
Coating Thickness (PE)	1 Coating	≥ 16um
Guarantee (PE)		3 - 5 Years

