POLYCOR™ / AP

Overview

PolyCor™ AP is a specially formulated siding material designed to meet the rigorous demands for trailer siding.

Traditional aluminum siding is greatly affected by heat and cold, leading to an unsightly effect known as "oil canning."

PolyCor AP is structurally designed to prevent oil canning even in extreme temperatures, and has a polyester paint that can be easily cleaned with standard household cleaning products. **PolyCor AP makes for a cooler, brighter, quieter and better looking trailer.**

Features & Benefits

- Lightweight
- Easily Cleaned
- Reduces Noise
- Completely Waterproof
- Excellent Structural Stability
- Excellent Chemical Resistance
- Backside Primer
- No Galvanic Corrosion
- Great Thermal Insulation

Material Comparison

AVERAGE WEIGHT PER SHEET	
PolyCor AP	**0.050" Aluminum**
0.58 lbs/ft^2	25% heavier

R-VALUE	
Other Materials	**PolyCor AP**
0.040" Aluminum	5x greater
½" OSB	2x greater
½" Plywood	4x greater

Product Details

Standard Colors

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

Sheet Sizes (Standard Colors)

- 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 (Interior Only)
- Champagne
- Sahara Desert

Sheet Sizes (Vibrant Colors)

- 49" x 96"

Surface Finish

PET Paint 1 Side/Primer 1 side

PolyCOR™ AP is UL compliant.

LEARN MORE
polycorsheet.com

Piedmont Plastics®

POLYCOR™/AP

TECHNICAL DATA

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^2	0.58

Technical Properties

PROPERTY	STANDARD	UNIT	VALUE
Section Modulus W	DIN 53293	in^3/yd	0.103
Rigidity (Poisson's ratio μ = .3) E.I	DIN 53293	$kNm^2/m.$	0.97
Modulus of Elasticity	EN 1999 1-1	lbs/ft^2	10,153,660
Skin Tensile Strength	EN 485-2	lbs/ft^2	≥ 21,030
.2% Proof Stress	EN 485-2	lbs/ft^2	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	$(m^2-K)/W$	0.027

Surface Properties

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