

## DESCRIPTION

Piedmont Sign Grade® AluPOLY® is a versatile aluminum composite material that can be used in a variety of applications and markets.

AluPOLY® is strong and rigid making it ideal for both indoor and outdoor applications. Its easily cleaned and scratch resistant surface gives AluPOLY® long term durability.

## FEATURES & BENEFITS

- Anti-corrosion and primer treatments applied to both sides of the aluminum sheet making it impervious to water and most chemicals
- Polyester painted surface accepts most types of ink/paints
- Excellent ultraviolet (UV) ray protection and weatherability
- Easily cut, fabricated, mounted and installed using everyday tools
- Can be digitally printed, screen printed or media applied directly to substrate
- Withstands extreme outdoor conditions
- Increases efficiency, reduces labor, saves time and money

## APPLICATIONS

- Interior/Exterior Signage
- Real Estate Signage
- POS/POP
- Exhibition Stands/Display
- Temporary Traffic Signage

PSG® AluPOLY® has met UL Compliance as a component for sign accessories in accordance to UL879.



## PRODUCT AVAILABILITY

### SHEET SIZES

- 48x96"
- 48"x120"
- 60"x120"

### GAUGES

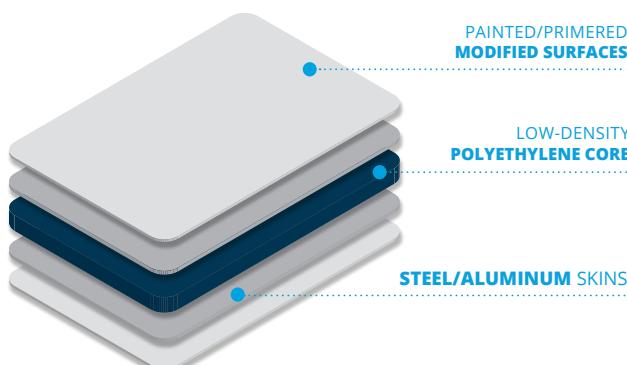
- 0.118" (3mm)
- 0.236" (6mm)

### COLORS

Custom Colors available upon request. Minimum order may be required.

• Black	• Green	• Brushed Aluminum
• White	• Blue	• Brushed Gold
• Brite White	• Yellow	• Brushed Digital
• Red		• Brushed Silver

GRADE	SKIN THICKNESS
AluPOLY Economy	0.004" (0.12mm)
AluPOLY Standard	0.006" (0.15mm)
AluPOLY Premium	0.008" (0.20mm)
AluPOLY HS	0.012" (0.30mm)



## CONTACT US

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5010 W. W.T. Harris Blvd | Charlotte, NC 28269  
[www.piedmontplastics.com](http://www.piedmontplastics.com)

PANEL THICKNESS	STANDARD	UNITS	2MM (.08)	3MM (.118)		6MM (.240)	
Thickness of Aluminum	DIN 1784	in	.008	.006	.008	.012 (HS)	.008
Aluminum Thickness Deviation	DIN 1784	in	±.0008	±.0008	±.0008	±.0008	-.0008 -.002
Weight	-	lbs/ft <sup>2</sup>	.58	.8	.82	.9	1.38
Tolerance in Length	-	in	-.08/.157	-.08/.157	-.08/.157	-.08/.157	-.08/.157
Tolerance in Width	-	in	-.08/.118	-.08/.118	-.08/.118	-.08/.118	-.08/.118
Tolerance in Thickness	-	in	±.006	±.006	±.006	±.006	±.006
Horizontal Flatness	DIN ISO 1101	in	.197	.197	.157	.118	.118
Longitudinal Roughness	DIN ISO 1101	in	.315	.197	.197	.197	.197

## Technical Properties

PANEL THICKNESS	STANDARD	UNITS	2MM (.08)	3MM (.118)		6MM (.240)	
Thickness of Aluminum			.008	.006	.008	.012 (HS)	.008
Section Modulus W	DIN 53293	in <sup>3</sup> /yds	.103	.083	.086	.094	.165
Rigidity (Poisson's ratio $\mu = .3$ ) E.I	DIN 53293	kNm <sup>2</sup> /m	.97	.13	.14	.16	.86
Modus of Elasticity	EN 1999 1-1	lbs/in <sup>2</sup>			10,153,660		
Tensile Strength of Aluminum	EN 485-2	lbs/in <sup>2</sup>			≥ 21,030		
.2% Proof Stress	EN 485-2	lbs/in <sup>2</sup>			29 ≥ 13,053		
Elongation	EN 485-2	%			3		
Linear Thermal Expansion	EN 1999 1-1	in/yd/°F			2.4 at 212 °F Temp difference		

## Surface Coating

PANEL THICKNESS	STANDARD	UNIT	3MM
Laquering			Polyester
Thickness of Coating		µm	≥ 16
Gloss (Initial Value)	ECCA T2	%	20 - 100
Pencil Hardness	ECCA T4		2H

## Thermal Properties

PANEL THICKNESS	STANDARD	UNIT	3MM
Temperature Range	-	°F	-58° - 176°

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