

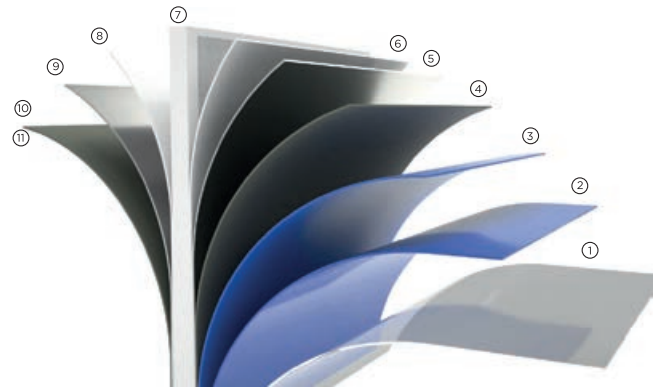
ACP ALUSIGN® is a composite aluminum material based on 2 sheets lightweight aluminum with a thermoplastic core, which allows to give any desired shape to the material, such as curves or folds.

ACP ALUSIGN® is used for various applications such as signaling, large format, electrostatic and digital printing, screen printing, displays, etc.

ACP ALUSIGN® aluminum sheets are previously painted with a polyester (PE) paint finish for developing all signage applications.

Composición

- | | |
|----------------------------|----------------------------|
| ① Protective film. | ⑦ Merge compound layer. |
| ② Polyester coated layer. | ⑧ Internal Aluminum layer. |
| ③ Primer layer. | ⑨ Primer layer. |
| ④ External Aluminum layer. | ⑩ Polyester coated layer. |
| ⑤ Merge compound layer. | ⑪ Protective film. |
| ⑥ Polyethylene core. | |



Aluminum Coated	0.15 mm	0.20 mm	0.15 mm	0.20 mm
Polyester Coating (PE)	Color/Color		Color/Backing	
Standard total thickness*	3 mm		3 mm	
Weight per sheet 4x8 ft	24.55 lb	25.21 lb	24.55 lb	25.21 lb
Weight per sheet 4x10 ft	30.68 lb	31.51 lb	30.68 lb	31.51 lb

*Other sizes are available by special order in 4mm / 5mm

Propiedades

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| <ul style="list-style-type: none"> • Cover Thickness • Hardness • Firmness • Impact resistance • Resistance to Abrasion • Resistance to Humidity | <ul style="list-style-type: none"> • Acid Resistance • Alkaline Resistance • Resistance to solvents • Color retention • Resistance to blight • Brightness retention |
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GENERAL PROPERTIES

PROPIERTIES	STANDARD	RESULT
Resistance to the outer temperature	ASTM D1654	No abnormality
Thermal temperature of deformithy	ASTM D648	115 °C
Thermal conductivity	ASTM C976	0,102 kcal /m.hr °C
Impact resistance	ASTM D2794	≥ 30 kg / cm
Adhesion Force	ASTM D903	10 kgf / mm
Water resistant	ASTM E331	Approved

COATING FINISH

PROPIERTIES	STANDARD	RESULT
Thickness of th PVDF layer	ASTM D7091	≥16 μm
Hardness	ASTM D3363	≥HB
steadiness	ASTM D4145	≥2T sin cracks
Adhesion force	ASTM 3359	4B
Impact resistance	ASTM D2794	≥30 kg / cm
Abrasion resistance	ASTM D968-93	64,6 L / mm
Humidity resistance	ASTM D2247-94	3000 h no abnormality
Acid resistance	ASTM D1308-87	No visual changes in 24 h in 5% HCl
Alkaline resistance	ASTM D1308-87	No visual changes in 24 h in 5% NaOH
Reliable resistance	ASTM D2248-73	supports 100 times (C4H8O)
Retention & color resistance	ASTM D2244-93	ΔE ≤ 0,8
Tizne Resistance	ASTM D4214-93	Approved
Brightness retention	ASTM D2244-93	≥33%