

FEATURES:

- · Multilayer Composition Benefits:
 - · Resistant to warping even in extreme temperatures
 - · Visually appealing
 - · Prevents oil canning
 - · Impact & water resistant
 - · Easily maintained
 - · Reduces noise
- Long Lasting Colors
 - · 10 ACP ALUCARGO® Color Options; 1 year Warranty
- · Better Raw Materials
- · Cut to Size Options



Manage Alucargo Aluca

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STRENGTH MEETS FUNCTIONALITY

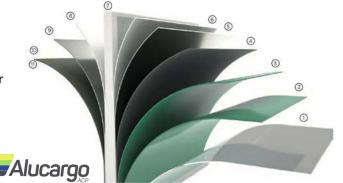
ALUCARGO® ACP is a specially formulated panel designed to meet the rigorous demands for the trailer industry.

It is a composite material composed of two aluminum sheets attached to a low-density polyethylene core designed for trailer siding to prevent the effect known as "oil canning". Our panel is a great alternative for cargo trailer manufacturers upgrading to ACM.

In general, ALUCARGO® ACP offers a much cooler, better insulated, brilliant-brighter, quieter and visually appealing trailer.

Composition:

- 1 Protective film
- Polyester coated layer
- 3 Primer layer
- (4) External Aluminum layer
- S Merge compound layer
- 6 Polyethylene core
- Merge compound layer
- (8) Internal Aluminum layer
- 9 Primer layer
- Polyester coated layer
- 11) Protective film



GENERAL PROPERTIES

		RESCHIE
Resistance to the outer temperature	ASTM D1654	No abnormality
Thermical temperature of deformithy	ASTM D648	115 °C
Thermal conductivity	ASTM C976	0,102 kcal /m.hr °C
Impact resistance	ASTM D2794	≥ 20 kg / cm 15mm ≥ 30 kg / cm 25mm
Adhesion Force	ASTM D903	9 kgf/mm
Water resistant	ASTM E331	Approved

COATING FINISH

Herealth III	544-1	
Thickness of the PE layer	ASTM D7091	≥16µm
Steadiness	ASTM D4145	≥2T sin cracks
Adhesion force	ASTM 3359	4B
Impact resistance	ASTM D2794	≥ 20 kg / .15 mm ≥ 30 kg / .20 mm
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 in 5% NaOH
Reliable resistance	ASTM D2248-73	supports 100 times 24 h (C4H8O)
Retention & color resistance	ASTM D2244-22	ΔE ≤ 0,8
Tizne Resistance	ASTM D4214-07	Approved
Brightness retention	ASTM D2244-22	≥33%

