



ALUMINUM COMPOSITE



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



UFP FACTORY BUILT

A UFP INDUSTRIES COMPANY

CONTACT YOUR SALES REP OR EMAIL US AT
INFO@UFPFACTORYBUILT.COM

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 | 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 | |



GENERAL PROPERTIES

Resistance to the outer temperature	ASTM D1654	No abnormality
Thermal temperature of deformity	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

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 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%