



UFP FACTORY BUILT

A UFP INDUSTRIES COMPANY



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



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

STRENGTH MEETS FUNCTIONALITY

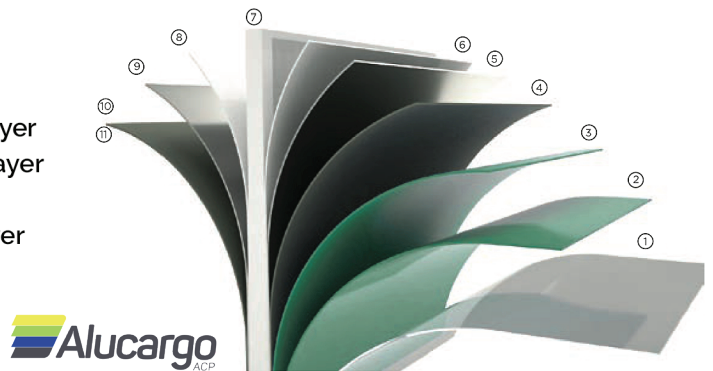
ALUCARGO® ACP is a specially formulated panel designed to meet the rigorous demands for the trailer industry.

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



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% |