

INTRODUCTION

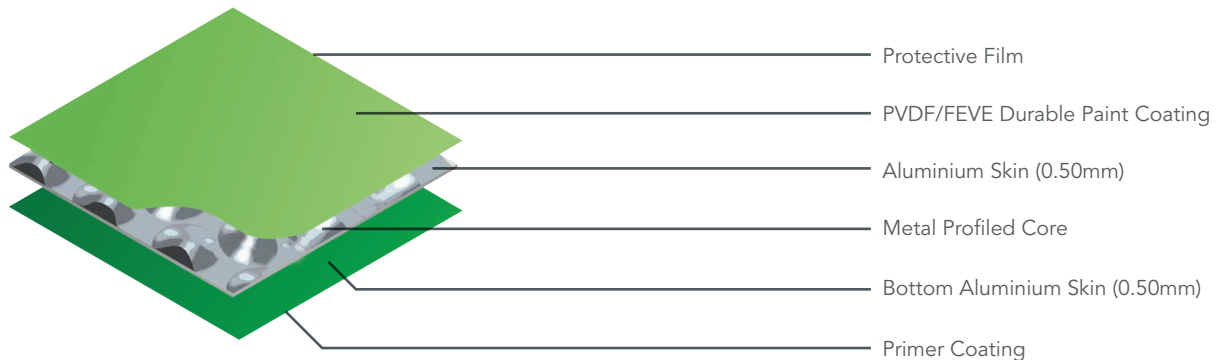
AlmaxCore is a non-combustible, lightweight, strong and extremely rigid panel sheet which is an optimal solution for a wide range of applications in the architectural, transport, furniture and sign industry.

Available in 4mm to 5mm thickness, the panel sheet consists of a metal profiled core which is laminated between two skins of aluminium in various thickness options.

Due to its light-weight, rigidity, flatness and non-combustibility characteristics **AlmaxCore** is a good alternative to aluminium honeycomb panels which are thicker, heavier and costlier.

AlmaxCore has superior thermal and mechanical characteristics. The Top skin is coated with PVDF Kynar500 or FEVE coating for maximum UV durability, color and gloss retention.

COMPOSITION



APPLICATIONS

Architectural:

- Façade Cladding
- Interior wall coverings
- Column cover, soffits and fascia panels

Transport:

- Interior wall and ceiling panels for:
 - a. Recreational vehicles(RV's)
 - b. Trains
 - c. Busses and
 - d. Ships.

Sign:

- Long Span Hoarding/ Advertisement Boards
- Corporate Signs

PRODUCT SPECIFICATIONS

Total Panel Thickness	4 mm
Thickness of Metal Profiled Core	3 mm
Top Aluminium Skin	0.50 mm
Bottom Aluminium Skin	0.50 mm
Width	1220 mm & 1250 mm
Weight	4 kg/m ²

PAINT & COATING

Paint Coating Standards

The quality of the coating conforms to AAMA 2605-07 standard.

Test item	Criteria
Gloss: (ASTM D532-89)	20% - 45%
Weather-o-metre test	
Colour retention: (ASTM D2244-87(85))	E<5
Gloss retention: (ASTM D2244-93)	84.20%
Chalk resistance: (ASTM D4214-89)	No chalking. Max value: 8 unit
Pencil hardness: (ASTM D3363-00)	2H

Test item	Criteria
Adhesion (ASTM D3359-87) Dry / Wet / Boiling water:	No change
Abrasive resistance: (ASTM D968-81)	50-80 KTR No Crack
Impact resistance: (NCCA 11-5)	No picking off after reverse impact test with cross-cutting
Salt spray resistance:	4000hr No blister
Humidity resistance: (ASTM D714-87)	4000hr No blister