

ALPHA^{ACM}PANEL

by wensco

Product Description:

Aluminum composite material uses a polyethylene core with aluminum facers on each side. Provides an ultra-smooth, maintenance-free and long-lasting product for all types of printing, painting, die-cutting, mounting and vinyl wrapping.

Tolerances	
Thickness	± 0.2 mm
Width	± 2 mm
Length	- 0 / + 4 mm
Diagonal	± 5 mm
Aluminum Thickness	± 0.02 mm
Thermal Expansion	2.4 mm/m @ 100°C Temp Difference

Panel Dimensions	
Panel Thickness	2mm, 3mm, 4mm, 6mm
Aluminum Thickness	.005", .006", .008", .010", .012"
Standard Sizes	48"x96", 48"x120", 60"x120", 60"x144"
Weight - lbs/ft ²	2mm/0.56, 3mm/0.84, 4mm/1.12, 6mm/1.68

Technical Properties	2mm	3mm	4mm	6mm
Rigidity - kNcm ² /m	345	865	1620	3840
Sound Insulation - dB	23	24	25	
Heat Coefficient - W/m ² K	5.72	5.61	5.50	5.30
Aluminum Alloy	1100			
E-module - N/mm ²	70.000			
Tensile Strength - N/mm ²	145-185 RM			
Core, Black PE - g/cm ³	0.92			
Flammability BS476	Part 6: Class 0, Part 7: Class 1			

Surface Properties	
Paint Thickness	20µm - Enhanced Digital Polyester
Acid Resistance	Immerse surface in 2% HCl for 48h no change
Alkali Resistance	Immersed surface in 2% NaOH for 24hrs without change
Oil Resistance	Immersed surface in 20# engine oil for 24hrs without change
Solvent Resistance	Cleaned 100 times with Dimethylbenzene without change
Gloss Value	35% Matte / 95% Gloss (Tolerance ± 5%)
Pencil Hardness	>HB
Temperature Resistance	- 50°C to + 90°C
Color Variation	5 year ΔE 3
Chalking	5 year index 8
Outdoor Durability	5 year warranty
Indoor Durability	10 year warranty

Recycled and fully recyclable! The aluminum alloy skin on either side can be downcycled. The protective liner can be recycled. The polyethylene core is 100% recycled LDPE and can be further recycled.

We believe the information on this product to be accurate. However, since we cannot anticipate or control the conditions under which this information or our products may be used, we cannot guarantee results obtained through their use. Tests of our products should be made by users to determine the suitability of these products for a specific purpose.

