

AlucoDigital

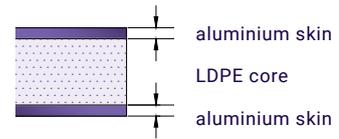
Description

AlucoDigital is a composite panel with a polyethylene (LDPE) core sandwiched between two thin layers of aluminium, designed for promotional and signage applications. AlucoDigital panels feature a satin white polyester (PE) paint finish on one side, offering excellent ink adhesion for direct digital flatbed printing. The product also includes an easy-peel masking, ensuring no adhesive residue on the print surface.

Features

- Digital printing base coat
- Lightweight

Profile Drawing



Scope of Use & Limitations

- AlucoDigital (2.0mm, 3.0mm) is intended as a flat panel for digital print signage and advertising, exhibition displays, feature walls, and footpath sign inserts. AlucoDigital (4.0mm) is suitable for both flat panel and fabricated applications such as custom display boxes, bespoke signage.
- AlucoDigital is weather-resistant and colourfast, suitable for both internal and external use, but not for structural applications.
- Not suitable for use where a non-combustible product is required or in temperature environments exceeding the service temperature.
- Not recommended for use in sea spray zones, or highly corrosive or industrial environments, as it may reduce the product's lifespan.

Product Range

Colour (Side A / Side B)	Thickness	Alu Skin	Length	Width
Satin White / Mill Finish	2.0mm	0.12mm	2440mm	1220mm
	3.0mm	0.21mm	2440mm	1220mm
Satin White / Service Coating	4.0mm	0.30mm	2440mm	1220mm
			3050mm	1500mm

Physical Properties *Note: Values are typical and may vary with conditions.*

Thickness	2.0mm	3.0mm	4.0mm	Standard
Weight	2.85kg/m ²	4.10kg/m ²	5.23kg/m ²	
Service Temperature Range	-50 to +80°C			
Linear Thermal Expansion	2.4mm/m/°C at 100°C temp difference			EN 1999 1-1
Rigidity	0.04kNm ² /m	0.08kNm ² /m	0.34kNm ² /m	DIN 53293
Section Modulus (W)	1.25cm ³ /m	1.68cm ³ /m	1.85cm ³ /m	DIN 53293
Modulus of Elasticity	70,000N/mm ²			EN 1999 1-1
Sound Transmission Loss	23DB	25DB	26DB	ISO 717-1

Basis of Product Data

All technical data stated in this Product Data Sheet is based on documents as provided by the manufacturer.

Local Restrictions: please note that as a result of specific local regulations the performance of this product may vary from country to country.

Additional Information

The system must be designed, specified, installed, and maintained with all of PSP Limited requirements. Details may be subject to change without notice, for the latest design, installation, and maintenance-related information, refer to www.psp.co.nz.