

AlucoLite

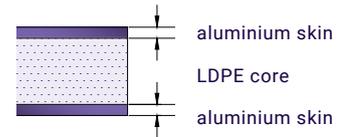
Description

AlucoLite is a composite panel with a polyethylene (LDPE) core sandwiched between two thin layers of aluminium, designed for flat sheet applications. Surfaces are coated with polyester (PE) paint.

Features

- Lightweight
- Rigid

Profile Drawing



Scope of Use & Limitations

- AlucoLite is intended as a flat panel for signage and advertising, exhibition displays, feature walls, and privacy screens.
- AlucoLite 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
Gloss White / Service Coat	3.0mm	0.15mm	2440mm	1220mm
Gloss Black / Satin Black			3050mm	1500mm

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

Weight	3.68kg/m ²	Standard
Service Temperature Range	-50 to +80°C	
Linear Thermal Expansion	2.4mm/m/°C at 100°C temp difference	EN 1999 1-1
Rigidity	0.06kNm ² /m	DIN 53293
Section Modulus (W)	1.73cm ³ /m	DIN 53293
Modulus of Elasticity	70,000N/mm ²	EN 1999 1-1
Sound Transmission Loss	23DB	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.