



Constructa board

Skin Foam PVC

Description

Skin Foam PVC, Constructa board, is an Integral Foam PVC Sheet with firm outer skins.

Being a strong, durable, lightweight and resistant to water product, It is a popular choice for construction applications, signage and display applications.

Constructa board is free of any environmental and health risks as the sheet contains no barium, cadmium and no lead.

Uses

- Signage
- Kitchen & bathroom joinery
- Displays
- Shop fittings
- Exhibition stands

Basic info

- ✓ Hard surface finish
- ✓ Chemical resistance
- ✓ Low flammability
- ✓ Waterproof

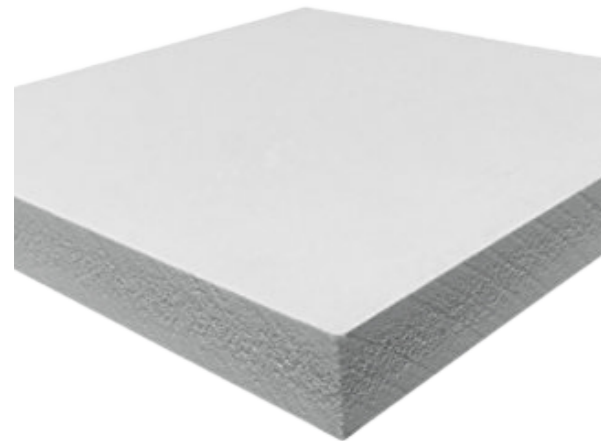




Technical Data

Availability

Colour	Gauge mm	Sheet size mm
Black	16.00 19.00	2440 x 1220
White	6.00	2440 x 1220
	10.00	2440 x 1220, 3000 x 1220
	16.00	2440 x 1220
	19.00	2440 x 1220, 3000 x 1220
	25.00	2440 x 1220, 3000 x 1220
	38.00	2440 x 1220



Technical Properties

Mechanical Properties	Test Method	Unit	Thickness mm 4, 5, 6	Thickness mm 8, 10	Thickness mm 15,17,19, 24,28,30
(Apparent) D3 Density*	DIN EN ISO 1183	g/cm ³	0.55-0.70	0.50-0.55	0.50-0.55
Yield stress (tensile strength)	DIN EN ISO 527	MPa	≥ 20	≥ 13	≥ 6
Elongation at tear	DIN EN ISO 527	%	≥ 30	≥ 15	≥ 13
Flexural strength	DIN EN ISO 178	MPa	≥ 30	≥ 20	≥ 20
Compressive strength (Hooke's range)	DIN EN ISO 844	MPa	> 8	> 3	> 3
Modulus of elasticity	DIN EN ISO 527-2/1A/50	MPa	~ 1100	~ 800	~ 800
Impact strength +20 °C 0 °C -20 °C	based on DIN EN ISO 179	kJ/m ²	MW 15* MW 13 * MW 10*	MW 20* MW 15* MW 10*	MW 25* MW 20* MW 15*
Ball indentation hardness (132 N/30 s)	DIN EN ISO 2039-1	MPa	> 10	> 10	> 15-20
Shore hardness D	DIN EN ISO 868		~ 55	~ 75	~ 77
Thermal Properties	Test Method	Unit	Thickness mm 4, 5, 6	Thickness mm 8, 10	Thickness mm 15,17,19, 24,28,30
Vicat softening temperature	DIN EN ISO 306 (process A50)	°C	≥ 75	≥ 75	≥ 77
Deflection temperature	DIN EN ISO 75 (process Ae)	°C	~ 56	~ 63	-
Coefficient of linear thermal expansion (from -30 °C to +50 °C)	DIN EN ISO 11359-2	mm/mK	≤ 0.08	≤ 0.08	≤ 0.08
Thermal conductivity (from 0 °C to +60 °C)	DIN EN ISO 22007	W/mK	0.10	0.05-0.07	0.05-0.07
U-value* (heat transfer coefficient)	based on DIN EN 674	W/m ² K	8 (mm): 3.1; 10 (mm): 2.6; 13 (mm): 2.4; 19 (mm): 2.0; 24 (mm): 1.7; 30 (mm): 1.4		
Electrical Properties	Test Method	Unit	Thickness mm 4, 5, 6	Thickness mm 8, 10	Thickness mm 15,17,19, 24,28,30
Surface resistance	DIN VDE 0303 T3/DIN IEC 93	Ω	10 ¹⁴	10 ¹⁴	10 ¹⁴
Volume resistivity	DIN VDE 0303 T3/DIN IEC 93	Ω · m	10 ¹⁵	10 ¹⁵	10 ¹⁵
Dielectric strength (sample thickness 4 mm)	DIN VDE 0303 T21	kV/mm	≥ 12		
Comparative figure for tracking	DIN IEC 112		CTI 600	CTI 600	CTI 600
Other Properties	Test Method	Unit	Thickness mm 4, 5, 6	Thickness mm 8, 10	Thickness mm 15,17,19, 24,28,30
Weighted sound reduction index R_{W1P}	DIN EN ISO 10848	dB	10 mm: 27; 19 mm: 29; 13 mm: 28; 24 mm: 30; 15 mm: 28; 30 mm: 32		
Water absorption after 7 days	DIN EN ISO 62	%	< 0.2	ca. 0.2	ca. 0.2
Fire behaviour	Colour 654 DIN EN 13501-1 (EU)	B-s3d0	4-6	8+10	-

Contact

Physical

Cebelio LTD
22 Tanner Street
Woolston
Christchurch
New Zealand

Postal

PO BOX 9316
Tower Junction
Christchurch
New Zealand
8024

*The results of this Data sheet are just for information or comparison purposes only and should be used as a guide. This information is believed to be accurate. It is intended for professional end users who have the skills required to evaluate and use the data properly. Cebelio Holdings LTD. does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.