



GLOBOND TECHNICAL DATA SHEET

Globond Type			Globond PE			Globond PLUS			Globond FR.		
Panel Thickness	Standard	Unit	3mm	4mm	6mm	3mm	4mm	6mm	3mm	4mm	6mm
Aluminium skin thickness		mm	0.5								
Core			Virgin LDPE			70% Mineral Filling			93% Mineral Filling		
Weight		kg/m ²	4.5	5.5	7.3	5.9	7.6	10.8	5.9	7.6	10.8
Section Modulus	Z	EN 33293 cm ³ /m	1.25	1.75	2.75	1.25	1.75	2.75	1.25	1.75	2.75
Rigidity	EI	EN 33293 kNcm ² /m	1250	2400	5900	1250	2400	5900	1250	2400	5900
Modulus of Elasticity	E	EN 999 1.1 Mpa	70,000								
Alloy		EN 573.3	3105 (AlMn)								
Temper		EN 515	H18/H24								
Tensile Strength		ASTM D338-03 MPa	414								
0.2% Proof Stress		EN 485.2 MPa	R _{p0.2} => 90								
Elongation		EN 485.2 %	A ₅₀ = > 5								
Linear Thermal Expansion		ASTM D696	Heat from -30.00°C to 30.00°C at 5.0°C/min; F=5Mn. Result: 2.2229x10 ⁻⁶ /°C								
Finish			Coil Coated Fluoropolymer (PVDF or FEVE)								
Gloss		EN 13523.2	Finish Dependant - Standard = 30 - 40%								
Pencil Hardness		ASTM D3363-00	H								

Acoustic Properties

Sound Absorption factor	α_s	ISO 354	0.05									
Sound Transmission	R_w	EN ISO	dB	25	26	27	27	27	27	27	27	27



Loss		140.3									
Loss Factor	d	EN ISO 6721		0.0072	0.0087	0.0138				0.004	0.005

**Thermal
Properties**

Thermal Resistance	R	DIN 52612	m^2K/W	0.0069	0.0103	0.0172	0.006	0.009	0.0151	0.002	0.003	0.005
Thermal Conductivity	λ	DIN 52612	W/mK	0.29/mm thickness of core			0.33/mm thickness of core			1.00/mm thickness of core		
Heat Transition Coefficient	U	DIN 4108	W/m^2K	5.65	5.54	5.34	5.68	5.58	5.34	5.83	5.80	5.71
Temperature Resistance			$^{\circ}C$	-50 up to +80								

Fire Behaviour

Australian Fire Classification		Cert. No. CMA - CM40022 Type C Construction Only	Cert. No. CMA - CM40032 Type A & B Construction Mechanical Fixing Only	Cert. No. CMA - CM40059 Type A & B Construction Mechanical Fixing Only			
					Mechanical & adhesive fixing techniques permitted	Type C Construction Mechanical & adhesive fixing techniques permitted.	Type C Construction Mechanical & adhesive fixing techniques permitted.
						Group 3 Material SMOGRA 3.198 m^2/s^2	Group 1 Material SMOGRA 1.385 m^2/s^2
AS ISO 9705		Ignitibility = 0 Flame Spread = 0 Heat Evolved = 0 Smoke Developed = 0 - 1					
AS1530.3							

Sheet Sizes



GLOBOND

Widths: 1250mm & 1575mm held in stock. 1000mm, 1500mm and special widths available as project order.

Lengths: 2500mm, 3200mm & 4000mm held in stock. Other lengths up to 10,000mm available as project order.

Surface Finishes

1. Standard solid and metallic.

5. Natural aluminium color

2. Spectra Colour

6. Stainless steel hairfinish.

3. Sparkling color

7. Wood Design

4. Anodized

aluminium color

8. Stone color

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