

ALUCOBOND[®] Information

TECHNICAL DATA SHEET ALUCOBOND[®] PLUS

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CONDITIONS APPLY

Technical Properties	Standard	Units	Panel Thickness		
			3mm	4mm	6mm
Thickness of AL Cover Sheet		[mm]	0.5mm		
Areal Density		[kg/m ²]	5.9	7.6	10.8
Panel Width	1000mm, 1250mm, 1500mm, 1575mm				
(Section Modulus W)	DIN 53293	[cm ³ /m]	1.25	1.75	2.75
Rigidity(Poisson's ration u=0.3) E·I	DIN 53293	[kNcm ² /m]	1250	2400	5900
Alloy Grade	EN 573-3		EN AW-5005 (AlMg1),		
Temper of AL	EN 515		H24 / H44		
Elasticity Modulus of AL	EN 1999 1-1	[N/mm ²]	70'000		
Tensile Strength of AL	EN 485-2	[N/mm ²]	R _m ≥ 130		
0.2% Proof Stress	EN 485-2	[N/mm ²]	R _{p0,2} ≥ 90		
Elongation	EN 485-2	[N/mm ²]	A50 ≥ 5		
Linear Thermal Expansion	EN 1999 1-1	[%]	2,4 mm /m at 100°C		
Core: Mineral filled polymer					
Surface			Coil Coating		
Lacquering			Fluorocarbon based		
Gloss, Initial Value	EN 13523-2	[%]	30 – 80		
Pencil Hardness	EN 13523-2		HB - F		
Acoustical Properties					
Sound Absorption Factor α _s	ISO 354		0.05		
Sound Transmission R _w	ASTM E90	[dB]	STC: 30 OITC: 24		
Thermal Properties					
Thermal Resistance R	ASTM C518	[m ² K/W]	0.007	0.009	0.0172
Temperature Resistance		[° C]	-50 to +80		
Fire Classification	EN 13501-1		Class B, s1, d0		
	NFPA285		Pass		



Kaneba[™]

ALUCOBOND
40⁺
years
of excellence

9-11 Rothwell Ave, Rosedale, Auckland 0632
PO Box 303 388, North Harbour, Auckland 0751
Phone: 09 926 2297 Fax: 09 926 1444 Website: www.kaneba.co.nz

Alucobond (Far East) Pte Ltd

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