

ALUCOBOND® Information

TECHNICAL DATA SHEET ALUCOBOND® ECO

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CONDITIONS APPLY

PANEL-THICKNESS:		Standard	Unit	3 mm	4 mm
Thickness of Aluminium Layers			[mm]	0.30	
Weight			[kg/m ²]	3.7	4.6
Technical Properties:					
Section Modulus	W	DIN 53293	[cm ³ /m]	0.81	1.11
Rigidity (Poisson's ratio $\mu = 0,3$)	E · I	DIN 53293	[kNcm ² /m]	865	1620
Alloy /		EN 573-3		EN AW-5005A (AlMg 1)	
Temper of Cover Sheets		EN 515		H24/H44	
Modulus of Elasticity		EN 1999 1-1	[N/mm ²]	70'000	
Tensile Strength of Aluminium		EN 485-2	[N/mm ²]	R _m	³ 145
0.2% Proof Stress		EN 485-2	[N/mm ²]	R _{p0.2}	³ 110
Elongation		EN 485-2	[%]	A ₅₀	³ 3
Linear Thermal Expansion		EN 1999 1-1		2.4 mm / m at 100°C temperature difference	
Core:					
PE			[g/cm ³]	0.92	
Surface:					
Lacquering				Coil Coating Fluorocarbon based (e.g. PVDF)	
Gloss (initial value)		EN 13523-2	[%]	30 - 80	
Pencil Hardness		EN 13523-4		HB - F	
Acoustical Properties:					
Sound Absorption Factor	s	ISO 354		0.05	
Sound Transmission Loss	R _w	ISO 717-1	[dB]	24	25
Loss Factor	d	EN ISO 6721		0.0057	0.0072
Thermal Properties:					
Temperature Range			[°C]	-50...+80	

Kaneba™

ALUCOBOND®
40+
years
of excellence



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