



etalbond®

	Standards	Unit	3mm	4mm	6mm
PANEL DIMENSIONS					
Thickness of Aluminium Layers		mm	0.5	0.5	0.5
Width		mm	standard: 1250, 1500 upon agreement: min 1000 - max 2000		
PANEL TOLERANCES					
Panel thickness		mm	±0.2		
Panel width		mm	-0.0 / +4.00		
Panel length		mm	≤4000mm: -0.0 / +4.00		
			4001 - 6000mm: -0.0 / +6.00		
			6001 - 8000mm: -0.0 / +10.00		
Diagonal difference		mm	3.00mm		
TECHNICAL PROPERTIES					
Section modulus (W)	DIN 53293	cm ³ /m	1.05	1.54	2.53
Effective Stiffness (ExJ _{eff,cal})		Nm ² /m	111	206	531
Alloy	EN 573-3		EN AW - 3105		
Temper of Aluminium sheets	EN 515 / EN 1396		H44 (Painted)		
Modulus of Elasticity (E)	EN 1999 1-1	N/mm ²	70000		
Tensile Strength (Rm)	EN 1396	N/mm ²	≥150		
Yield Strength (Rp0.2)	EN 1396	N/mm ²	≥120		
Elongation (A ₅₀)	EN 1396	%	≥3%		
Linear Thermal Expansion		mm/m	2.4 for temperature difference of 100°C		
SURFACE PREPARATION & PAINT CHARACTERISTICS					
Surface Preparation			With chemical preparation (Degreasing, Passivation)		
Lacquering			Coil Coating		
Visible Surface			PVDF, FEVE or VHDPE		
Back Surface			Protective Primer		
TEMPERATURE BEHAVIOUR					
Excellent behaviour in temperatures			From -20 to +80		
SURFACE QUALITY					
Dents, marks, hits, grooves, stains etc			Acceptable when not visible at a distance ≥2m at an angle of 90°		

etalbond[®] PE

CORE: LDPE	Unit	3mm	4mm	6mm
PANEL DIMENSIONS				
Weight	kg/m ²	4.6	5.5	7.4
Length	mm	standard: 3200 upon agreement: 1000-13000		
ACOUSTICAL PROPERTIES				
Sound Transmission Loss (Rw)	dB	≥23	≥24	≥25

etalbond[®] FR

CORE: Fire Retardant core	Unit	3mm	4mm	6mm
PANEL DIMENSIONS				
Weight	kg/m ²	5.8	7.4	10.5
Length	mm	standard: 3200 upon agreement: 1000-13000		

etalbond[®] A2

CORE: Mineral filled core	Unit	4mm
PANEL DIMENSIONS		
Weight	kg/m ²	7.4 (±0.3)
Length	mm	standard: 3200 upon agreement: 1000-8000

The company maintains the right to change the Technical specs of the product at any time without any further notice.

