

## etalbond®

	Standard	Unit	3 mm	4 mm	6 mm
<b>PANEL DIMENSIONS</b>					
Thickness of Aluminium Layers		mm	0.5	0.5	0.5
Width		mm	standard: 1250, 1500 upon agreement: min 1000 - max 2000		
<b>PANEL TOLERANCES</b>					
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	3.00 mm		
<b>TECHNICAL PROPERTIES</b>					
Section modulus (W)	DIN 53293	cm <sup>3</sup> /m	1.05	1.54	2.53
Effective Stiffness (ExJ <sub>eff,cal</sub> )		Nm <sup>2</sup> /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 <sup>2</sup>	70000		
Tensile Strength (Rm)	EN 1396	N/mm <sup>2</sup>	≥150		
Yield Strength (Rp0.2)	EN 1396	N/mm <sup>2</sup>	≥120		
Elongation (A <sub>50</sub> )	EN 1396	%	≥3%		
Linear Thermal Expansion		mm/m	2.4 for temperature difference of 100°C		
<b>SURFACE PREPARATION &amp; PAINT CHARACTERISTICS</b>					
Surface Preparation			With chemical preparation (Degreasing, Passivation)		
Lacquering			Coil Coating		
Visible Surface			PVDF, FEVE or VHDPE		
Back Surface			Protective Primer		
<b>TEMPERATURE BEHAVIOUR</b>					
Excellent behaviour in temperatures			From -20 to +80		
<b>SURFACE QUALITY</b>					
Dents, marks, hits, grooves, stains etc		Acceptable when not visible at a distance ≥2m at an angle of 90°			