

Panel Dimensions		RedBOND Plus XXL					
Panel Thickness (mm)		2,00	3,00	4,00	5,00	6,00	8,00
Aluminium skin thickness (mm)		0,25	0,25	0,25	0,25	0,25	0,25
Panel Weight (kg/m ²)		2,74	3,65	4,58	5,50	6,42	8,26
Standard Width (mm)		2050					
Standard Length (mm)		3050 / 4050					
Max/min Length (mm)		2000 / 8000					
Dimensional Tolerances							
Thickness (mm)		+ 0,20					
Width (mm)		+2,50					
Length (mm)		+ 10,00					
Diagonal (mm)		± 3					
Technical Specifications							
Lineal Thermal Expansion (mm/m at Δ100°C)		2,4					
Temperature Resistance (°C)		[-50, +90]					
Aluminium Specifications							
Tensile Strength (MPa)	EN 546-2/EN 485-2	Rm 175-225					
Yield strength (MPa)	EN 546-2/EN 485-2	Rp > 150					
Elongation (%)	EN 546-2/EN 485-2	2					
Modulus of Elasticity (MPa)	EN 546-2/EN 485-2	70000					
Coating Specifications							
Coating Nature		Monocoat Printable Polyester					
Polymerization	EN 13523-11	> 100 DR					
Pencil Hardness	EN 13523-4	HB-2H					
Impact Resistance	EN ISO 6272-1	8 Joule without cracks					
Adherence	EN ISO 2409	OK=no loss of adhesion					
Bending	EN 13523-7	Maxi 1,5 T without cracks					
Salt resistance test (1000 hours)	EN1396	Corrosion Index	2				
		UV Index	< RUV2				
		Class	Cat 1				
QUV-B resistant test (500 hours)	EN13523-19	Gloss retention	≥ 30 %				
		ΔE	≤ 5				