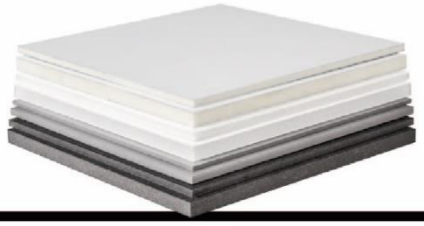
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RedBOND composites

MADE IN EUROPE

TECHNICAL DATA SHEET

Panel Dimensions			
Panel Thickness (mm)	2	3	4
Aluminium skin thickness (mm)	0,25	0,25	0,25
Panel Weight (kg/ m²)	2,74	3,65	4,58
Standard Width (mm)		1000 / 1250 / 1500	
Standard Length (mm)		2000 / 2500 / 3050 / 4050	
Max./min. Length (mm)		2000 / 6000	
Dimensional Tolerances			
Thickness (mm)		+ 0,20	
Width (mm)		+ 2,50	
Length (mm)		+ 10,00	
Diagonal (mm)		± 3	
Technical Specifications			
Lineal Thermal Expansion (mm at Δ100°C)		2,4	
Temperature Resistance (°C)		[-50, + 90]	
Aluminium Specifications			
Tensile Strength (Mpa)	EN 546-2/ en 485-2	Rm > 160	
Yield strength (Mpa)	EN 546-2/ en 485-2	Rp > 145	
Elongation (%)	EN 546-2/ en 485-2	A_{50} > 1	
Modulus of Elasticity (Mpa)	EN 546-2/ en 485-2	70000	
Coating Specifications			
Coating Nature			Polyester
Polymerization	EN 13523-11		> 100 DR
Pencil Hardness	EN 13523-4		≥ F
Impact Resistance	EN ISO 6272-1		100%
Adherence	EN ISO 2409		> 75%
Bending	EN 13523-7		≤ 1,5 T
Salt resistance test (1000 hours)	EN 1396	Corrosion Index	1
		UV Index	1
		Class	2a
QUV-B resistant test (500 hours)	EN 13523-19	Gloss retention	≥ 30%
		ΔE	≤ 5