



TECHNICAL SPECIFICATIONS

STACBOND® FR

SHEET DIMENSIONS	WIDTHS (mm)	LARGOS (mm)
Measurements for stock	1250 - 1500	4000 - 5000
Fabrication to measure (CONSULT)	1000 -1250 - 1500	(min. / max.) 2000 / 6000

Thickness Tolerance(mm) ± 0,2	Width Tolerance (mm) ± 2	Length Tolerance (mm) + 15	Diagonal Tolerance (mm) ± 3
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PHYSICAL SPECS	UNITS	MEASURE	CERTIFICATION
Aluminium thickness	mm	0,5	
Panel thickness	mm	4	
Weight of panel	kg/m ²	8,02	
Aluminium alloy		3005 / 3105 / 5005	UNE EN 573-3

NUCLEUS SPECS FR	UNITS	MEASURE	CERTIFICATION
Density	gr/cm ³	1,6 - 1,8	
Resistance to Fire		B - S1, d0	UNE-EN-13501-1:2007

TYPE OF PAINT	UNITS	MEASURE	CERTIFICATION
PvdF KYNAR 500 (70/30)	μ _m	20 - 40 μ _m *	
Shine	ANGLE OF MEASUREMENT 60°	30 +/- 5 *	EN 13523 - 2 ISO 2813
Hardness		Min F	EN 13523 - 4
Primer protection			SI

GENERAL CHARACTERISTICS	UNITS	MEASURE	CERTIFICATION
Peeling	N/mm	≥ 7	ASTM D903 - 98 (2004)
Adherence		No loss of adherence	EN - DIN - 53151
Elasticity modulus (E)	N/mm ²	70000	EN 485 - 2
Límite elástico (R _p 0.2)	N/mm ²	≥ 80	EN 485 - 2
Breaking Load (R _m)	N/mm ²	125 ≤ R _m ≤ 240	EN 485 - 2
Elongation (A)	%	≥ 2	EN 485 - 2
Resistance to Impact		4 Julios / GT0	EN 13523 - 5/6
Chemical Resistance		5% HCL No changes	
Utilization Temperature	°C	- 40° / 80° ^a	
Thermal Expansion Coef. for Differences of 100° C	mm/m (100°)	2,36	UNE-EN ISO 10545:1997
Thermal Transmission (U)	W/m ² K	5,62	UNE-EN ISO 12567-1
Acoustic Insulation Rw (C;Ctr)	dB	29 (0; -2)	ISO 140 - 3

* Standard values, other values may be accepted if the finish requires it and does not affect product quality.