

VER. 001/21

FR CORE | 0,5 mm - 4 mm

SHEET DIMENSIONS	WIDTHS (mm)	LENGTHS (mm)
Made to measure manufacture (CONSULT)	(min. / max.) 1000 / 2000	(min. / max.) 2000 / 6000

Thickness tolerance (mm) $\pm 0,2$ Width tolerance (mm) ± 2 Length tolerance (mm) + 15 Diagonals tolerance (mm) ± 3

Width Tolerance of the Protective Film on the panel (mm) +0; -5

PHYSICAL SPECIFICATION	UNIT	VALUE	NORM
Painted aluminium thickness	mm	0,5	
Panel thickness	mm	4	
Panel weight	kg/m ²	7,80	
Aluminium alloy		5005 / 3105 / 3005	UNE EN 573-3

FR CORE SPECIFICATION	UNIT	VALUE	NORM
Density	g/cm ³	1,7 \pm 0,1	
Fire reaction		B - S1, d0	UNE-EN-13501-1:2007

GENERAL CHARACTERISTICS	UNIT	VALUE	NORM
Peeling	N/mm	$\geq 9,8$	ASTM D903 - 98 (2004)
Adherence		There is no loss of adherence	EN - DIN - 53151
Elasticity module (E)	N/mm ²	70000	
Proof stress (R _{p 0,2})	N/mm ²	≥ 80	EN 485 - 2
Tensile strength (R _m)	N/mm ²	125 \leq R _m \leq 240	
Elongation (A ₅₀)	%	≥ 4	
Impact resistance		4 Joules / GT0	EN 13523 - 5/6
Chemical resistance		5% HCl unchanged	ISO 2812 - METHOD 3
Temperature utilization	°C	- 40 / +80	
Thermal expansion 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
Accoustic insulation Rw (C;Ctr)	dB	29 (-1; -3)	ISO 717 - 1

COATING TYPE	UNIT	VALUE	NORM
External coating thickness (Primer + PvdF 70/30)	µm	30 \pm 5*	
PvdF 70/30	µm	20 \pm 2*	EN 13523 - 1
Primer	µm	10 \pm 2*	
Internal coating thickness (Primer)	µm	6 \pm 2*	
Gloss (measured at 60° angle)	GU	30 \pm 5*	EN 13523 - 2 / ISO 2813
Hardness (pencil hardness test)		HB - F	EN 13523 - 4

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