

SHEET DIMENSIONS		WIDTHS (mm)	LENGTHS (mm)	
Made to measure manufacture (CONSULT)		1000 / 1250 / 1500 / 2000	(min. / max.) 2500 / 6000	
Thickness tolerance (mm) ± 0,2	Width tolerance (mm) ± 2	Length tolerance (mm) + 15	Diagonals tolerance (mm) ± 3	
Tolerance of the Protective Film on the panel (mm) +0; -5				

PHYSICAL SPECIFICATION	UNIT	VALUE	NORM
Aluminium thickness	mm	0,5	
Panel thickness	mm	4	
Panel weight	kg/m <sup>2</sup>	8,3	
Aluminium alloy		5005 / 3105 / 3005	UNE EN 573-3

A2 CORE SPECIFICATION	UNIT	VALUE	NORM
Density	g/cm <sup>3</sup>	1,9 ± 0,15	
Fire reaction		A2 - S1, d0	UNE-EN-13501-1:2007

COATING TYPE	UNIT	VALUE	NORM
External coating thickness (Primer + PvdF 70/30)	μm	25 - 40*	EN 13523 - 1
PvdF 70/30	μm	20 - 30*	
Primer	μm	5 - 10*	
Internal coating thickness (Primer)	μm	5 - 10*	
Gloss (measured at 60° angle)	GU	30 ± 5*	EN 13523 - 2 / ISO 2813
Hardness (pencil hardness)		HB - F	EN 13523 - 4

GENERAL CHARACTERISTICS	UNIT	VALUE	NORM
Adherence		No loss of adherence	EN - DIN - 53151
Elasticity module (E)	N/mm <sup>2</sup>	70000	
Proof stress (R <sub>p0.2</sub> )	N/mm <sup>2</sup>	≥ 80	EN 485 - 2
Tensile strength (R <sub>m</sub> )	N/mm <sup>2</sup>	125 ≤ R <sub>m</sub> ≤ 240	
Elongation (A <sub>50</sub> )	%	≥ 4	
Impact resistance		4 Joules / GT0	EN 13523 - 5/6
Chemical Resistance		5% HCl unchanged	ISO 2812 - METHOD 3
Temperature utilization	°C	- 40 / +80	
Accoustic insulation Rw (C;Ctr)	dB	30 [-1; -3]	ISO 717 - 1

#### USE SPECIFICATIONS

- Edge folding is recommended in STACBOND® A2 panel applied in our own mounting systems (STB-REM, STB-T-REM, STB-PEG, STB-T-PEG) or in others where the edge is visible.
- Punching is not recommended in STACBOND® A2 panel for outdoor applications.
- There may be limitations in the realization of STACBOND® A2 panels with high gloss finishes. Consult STAC® for available finishes.

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

\*\* Obligatory conditions of execution for obtaining a warranty.