TECHNICAL SPECIFICATIONS

STACBOND A2
non-combustible ACP

VER. 001/21

A2 CORE | 0,5 mm - 4 mm

SHEET DIMENSIONS	WIDTHS (mm)	LENGTHS (mm)
Made to measure manufacture (CONSULT)	(min. / max.) 1000 / 1600	(min. / max.) 2000 / 6000

Thickness tolerance (mm) ± 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/m²	9,8 ± 0,5	
Aluminium alloy		5005 / 3105 / 3005	UNE EN 573-3

A2 CORE SPECIFICATION	UNIT	VALUE	NORM
Density	g/cm³	2,36 ± 0,1	
Fire reaction		A2 - S1, d0	UNE-EN-13501-1:2007

GENERAL CHARACTERISTICS	UNIT	VALUE	NORM
Adherence	N/mm	There is no loss of adherence	EN - DIN - 53151
Elasticity module (E)	N/mm²	70000	EN 485 - 2
Proof stress ($R_{p\ 0.2}$)	N/mm²	≥ 80	
Tensile strength (R_m)	N/mm²	125 ≤ R_m ≤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	
Accoustic insulation Rw (C;Ctr)	dB	30 (-1; -3)	ISO 717 - 1

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

USE SPECIFICATIONS

- 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.