



TECHNICAL SPECIFICATIONS

STACBOND FR
fire retardant ACP

VER: 001 / 2023

PANEL PHYSICAL SPECIFICATIONS

Total panel thickness (mm)	Panel weight (kg/m ²)
	Thickness of lacquered face of 0.5 (mm)
4	7.7

ALUMINIUM ALLOY

	VALUE	NORM
Visible face	5005	UNE-EN 573-3
Hidden face	3105/3005*	UNE-EN 573-3

SHEET DIMENSIONS

	UNITS	VALUE
Width (min./max.)	mm	800/2000**
Length (min./max.)	mm	2000/6000**
Thickness tolerance	mm	-0.15/+0.1
Width tolerance	mm	-0/+2
Length tolerance	mm	-0/+10
Squareness (diagonal tolerance)	mm	±3
Protective film width tolerance	mm	0;-5

TECH. SPECS. OF THE PANEL

	UNITS	VALUE	NORM
Peeling	N/mm	≥9.80	ASTM D903-98 (2004)
Rigidity (EI)	kNcm ² /m	2610	DIN 53293
Resistant module (W)	cm ³ /m	1.496	
Acoustic insulation Rw (C;Ctr)	dB	33 (-1;-4)	ISO 717-1:2013
Sound reduction Rw	dB	33.3±1.30	
Thermal resistance (R)	m ² K/W	0.014	
Thermal conductivity	W/m ² K	0.448	UNE-EN ISO 12567-1
Thermal transmittance (U)	W/m ² °C	3.38	
Operating temperature	°C	-50/+80	

CORE SPECIFICATIONS

	FR	UNITS	VALUE	NORM
Density		g/cm ³	1.50±0.15	
Fire reaction			B,s1-d0	UNE-EN 13501-1:2007

ALUMINIUM TECH. SPECIFICATIONS

	UNITS	VALUE	NORM
Alloy		5005	3105/3005*
		H42/H44	H42/H44
Modulus of elasticity (E)	N/mm ²	70 000	70 000
Proof stress (Rp 0.2)	N/mm ²	≥ 80	≥ 110
Tensile strength (Rm)	N/mm ²	125≥ Rm≥ 205	130≥ Rm≥ 215
Elongation (A50)	%	≥ 3	≥ 4
Density (ρ)	kg/m ³	2,700	2,700
Thermal expansion (α)	mm/m (100°)	2.36	2.36

* Aluminium alloy 5005 available by customer request.

** Check with us for other dimensions.