

ALUSTEP® HFR

Panel's composition

SKIN IN GLASSFIBRE

500 gr/m² glassfibre

CORE

Aluminium honeycomb (Alloy series 3000*)
with hexagonal cells

Diameter: Ø1/4", 1/8"

Thickness Foil: from 50 to 70 microns



From 6 mm to 50 mm

* Serie 5000 on demand

Technical data sheet for standard panels (dimensions, materials and special finishes on request)

TECHNICAL CHARACTERISTICS OF PANEL										
Panel thickness	mm	From 6 to 50								
Panel size	mm	Standard 1250x2500/1500x3000								
Thickness tolerance	mm	± 0,4								
Dimension tolerance	mm	± 30								
Skins thickness	mm	0,5								
Skin		Glass fibre Plain 500 gr/m ²								
Impregnation		Epoxy Resin								
Honeycomb alluminium alloy		3000 / 5000 series								
Honeycomb diameter	Ø = mm	3,2-6,3								
Honeycomb density	Kg/m ³	116-56								
Adhesive		Epoxy								
PANEL PHYSIC AND MECHANIC PERFORMANCES										
Panel Thickness (some examples)	mm	5	10	15	20	25	30	35		
Panel weight ‡	Kg/m ²	1,9±0,2	2,2±0,2	2,5±0,2	2,8±0,2	3,1±0,2	3,4±0,2	3,7±0,2		
Compressive stabilised strength ** ‡	ASTM C 365-365 M	Mpa	2,5							
Service temperatur **		C°	- 50/ + 80							
Thermal expansion coefficient ***		°C ⁻¹	1,5 - 3,5*10 ⁻⁵							

** Tested by Internal Laboratory

*** Approximate value

‡ All values refer to a panel made of aluminum honeycomb with a cell diameter 6,3 mm 56 kg/m³