

## ALUSTEP® HFR

### Panel's composition

#### SKIN IN GLASSFIBRE

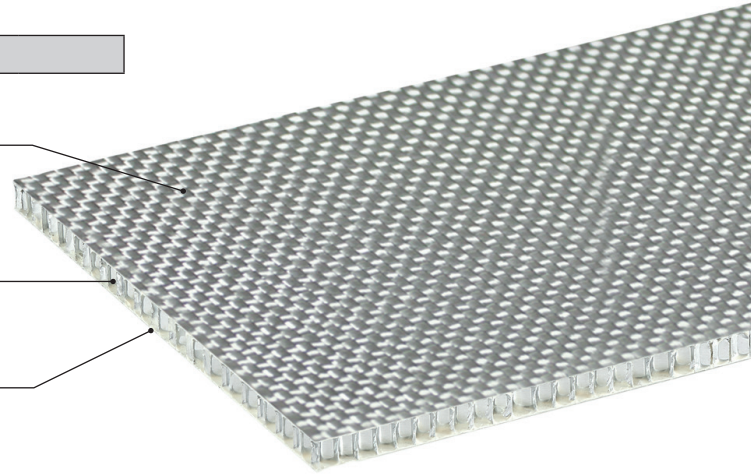
500 gr/m<sup>2</sup> glassfibre

#### 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		Technical data sheet for standard panels (dimensions, materials and special finishes on request)									
		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 <sup>2</sup>								
		Impregnation	Epoxy Resin								
		Honeycomb alluminium alloy	3000 / 5000 series								
		Honeycomb diameter	Ø = mm	3,2-6,3							
		Honeycomb density	Kg/m <sup>3</sup>	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 <sup>2</sup>	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 <sup>-1</sup>	1,5 - 3,5*10 <sup>-5</sup>						

\*\* 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/m<sup>3</sup>