

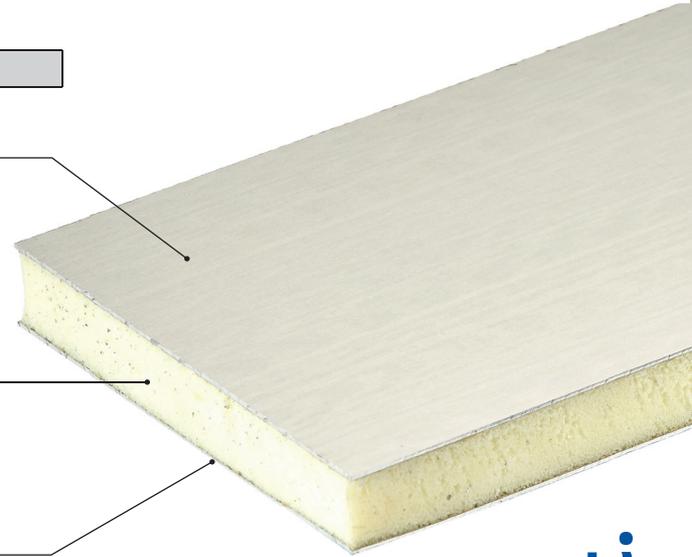
Compocel® Alf certified

Panel's composition

ALUMINIUM SKINS

Thickness mm: 0,5 - 0,8 - 1 (standard) - 1,5

CORE PET Foam



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

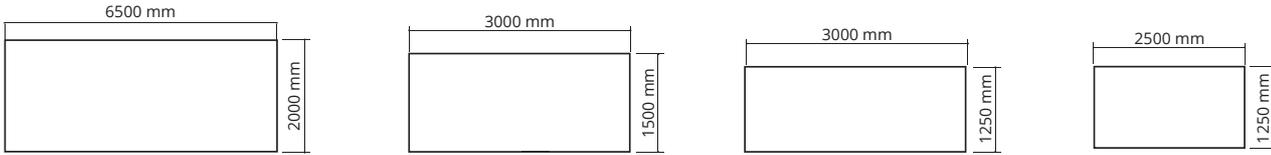
TECHNICAL CHARACTERISTICS OF PANEL		Panel Thickness							
		mm	from 10 to 23						
Panel size		mm	Standard 1250x2500/1500x3000 other dimensions on request						
Thickness tolerance		mm	±0,4						
Dimension tolerance		mm	± 30						
Planarity **		mm / m	1						
Skins thickness		mm	from 0,5 to 1,5						
Skin			1000 series, 3000 series, 5000 series						
Core materials			PET foam						
Foam density		Kg/m ³	110						
Adhesive			Two-component polyurethane						
Skin characteristics			Raw/primer						
PANEL PHYSIC AND MECHANIC PERFORMANCES		Type panel (some examples)	Panel Thickness mm	10	15	20	25	30	
			Skin Thickness mm	1,0 + 1,0					
		Panel weight	kg/m ²	8,2	9,8	11,6	13,30	15	
		Core material		PET P90 100 foam					
		Foam density	ISO 845	kg/m ³	110				
		Compressive stabilised strength	ASTM C 365-C365 M	Mpa	1,4				
		Shear modulus	ISO 1922	MPa	20				
		Maximum service temperature *		°C	- 40 / +80				
Thermal expansion coefficient **		°C ⁻¹	2,3*10 ⁻⁵						

* Tested by Internal Laboratory

** Approximate value

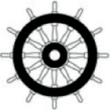
† Sample dimension with 4 support points (L, W) 540x50mm; distance among the lower points 500mm, distance among the upper points 250mm

Standard dimensions (other dimensions available on request) - Dimension tolerance ± 30 mm



on request

COMPOCEL ALF certified is produced on request and at an additional cost.
 Certified products must be required in advance and might have a price surcharge due to certified materials.

FIRE REACTION			
SHIPBUILDING	FTP CODE 2010 3.18a  0407	LOW FLAMESPREAD (Thickness from 10 to 23mm) MOD. B. Certification Nr. MED-486 (IG-171-2024) MOD. D. Certification Nr. MED- 154 (IG-178-2014) REV.23	COMPOCEL ALF Sandwich panel with a PET foam core and aluminium skins, complying with the MED directive for the application in ships registered or applied in the European Union. Item N. MED / 3.18a, IMO 2010 FTP Code, Annex 1
	U.S. Coast Guard 	MOD. B. USCG Approval Nr. 164.112/0407 MOD. D. USCG Approval Nr. 164.112/0407/MED000154	COMPOCEL ALF Sandwich panel with a PET foam core and aluminium skins.
RAILWAY VEHICLES	UNI EN 45545-2	HL3 (HAZARD LEVEL) (Thickness from 10 to 23mm)	COMPOCEL ALF Aluminium honeycomb panel Meets requirements for applications: R1 Partitions R2 Suspended ceilings, countertops