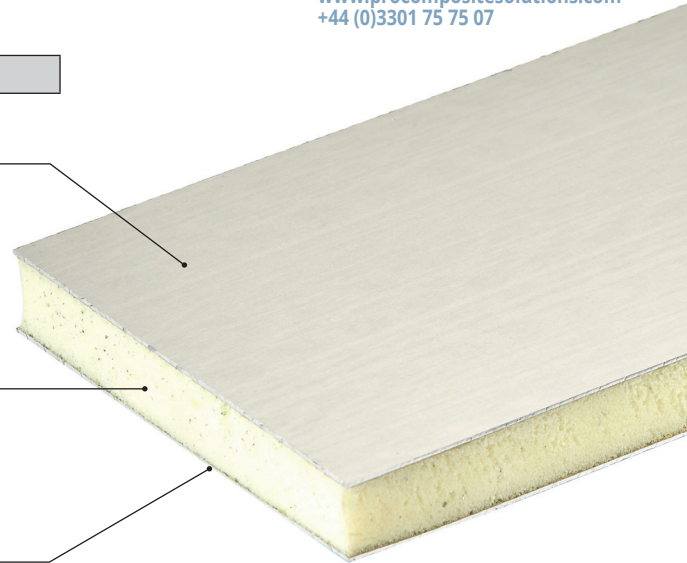


## CompoCel® Alf

### Panel's composition

SKINS OF ALUMINIUM pre-painted in white,  
Thickness mm: 1,0

CORE  
Foam



- On request:
- skin in different colours
  - different types of foam cores and densities (see foams sheet)

### 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					Skin Thickness mm					
Panel Thickness	mm	from 5 to 100										
panel size	mm	standard 1250x2500/1500x3000 other dimensions on request										
thickness' tolerance	mm	±0,4										
dimension's tolerance	mm	± 30										
planarity **	mm / m	1										
skins' thickness	mm	from 0,5 to 5,0										
skin aluminium alloy		1000 series, 3000 series, 5000 series										
core materials		PET foam/PVC foam										
foam density	Kg/m <sup>3</sup>	from 40 to 250										
adhesive		Two-component polyurethane										
skin characteristics		rough/primer/polyester/PVDF										
type panel (some examples)	Panel Thickness mm	10	15	20	25	30	10	15	20	25	30	
	Skin Thickness mm	1,0 + 1,0					1,0 + 1,0					
panel weight		6,8	7,2	7,6	8,0	8,4	7,3	8	8,6	9,3	7,6	
core material		PET foam					PET foam					
foam density	ISO 845 kg/m <sup>3</sup>	80					135					
compressive stabilised strength	ASTM C 365-C365 M Mpa	0,9					2,3					
shear modulus	ISO 1922 MPa	16					35					
maximum load*	ASTM C 393† N	320±30	460±50	610±60	760±80	900±90	560±60	830±80	1100±100	1370±130	1640±160	
deflection at maximum load*	ASTM C 393† mm	6±1	5±1	4±1	4±1	3±1	9±1	6±1	5±1	4±1	4±1	
skins E Elastic Modulus	Mpa	68'000-70'000										
moment of inertia I	mm <sup>4</sup> /m	40600	98100	180600	288100	420600	40600	98100	180600	288100	420600	
average resistance to peeling *	ASTM D1781	>440 N/76 mm - 17 Nmm/mm					>480 N/76 mm - 23 Nmm/mm					
maximum service temperature *	°C	- 40 / +80										
thermal expansion coefficient **	°C <sup>-1</sup>	2,3*10 <sup>-5</sup>										

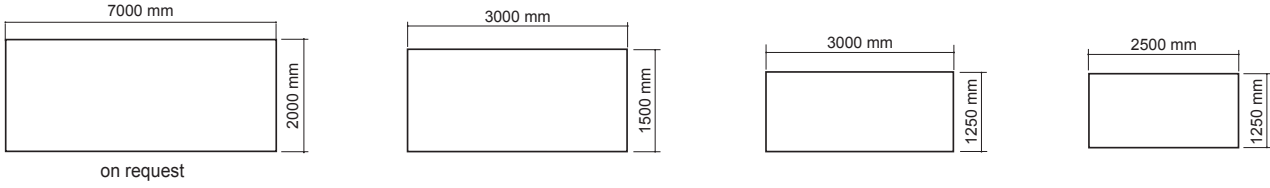
\* Tested by Internal Laboratory

\*\* Approximate value

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

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**Standard dimensions (other dimensions available on request) - Dimension tolerance  $\pm 30$ mm**



**PROCESSING METHODS**

