

POLISTEP

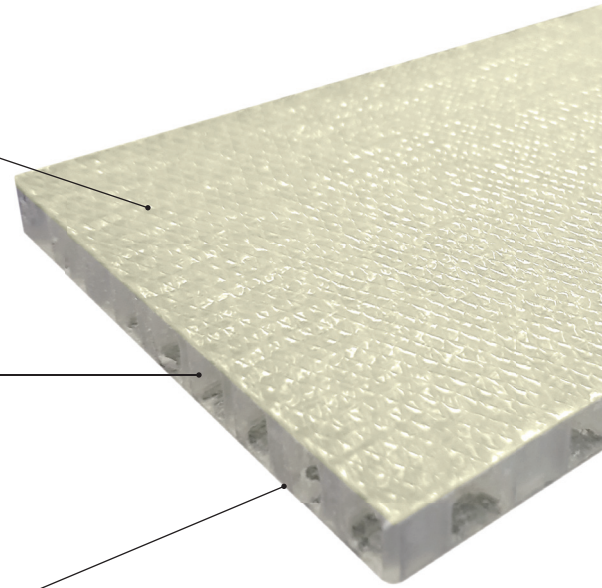
Panel's composition

SKIN IN GLASSFIBRE

Impregnated with epoxy resin - Thickness: 0,4 mm

CORE

Polypropylene honeycomb



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

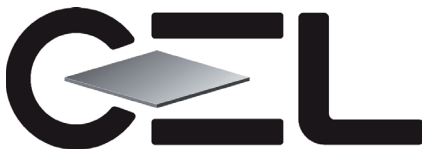
Technical data sheet for standard panels (dimensions, materials and special finishes on request)									
TECHNICAL CHARACTERISTICS OF PANEL	Panel thickness	mm	from 6 to 60						
	Panel size	mm	Standard dimensions 1180x2480 or 1500x3000 other dimensions available on request						
	Thickness tolerance	mm	± 0,4						
	Dimension tolerance	mm	± 30						
	Skins thickness	mm	0,4						
	Skin		Glassfibre 500 gr/m ² 600 tex						
	Honeycomb type		Polypropylene						
	Honeycomb diameter	Ø =mm	8						
	Honeycomb density	Kg/m ³	80						
	Adhesive		Epoxy Resin						
PANEL PHYSIC AND MECHANIC PERFORMANCES	Panel Thickness (some examples)	mm	6	10	15	20	25	30	35
	Panel weight	Kg/m ²	2,4±0,2	2,7±0,2	3,1±0,2	3,5±0,2	3,9±0,2	4,3±0,2	4,7±0,2
	Compressive stabilised strength	ASTM C 365-365 M Mpa	1,6 ± 0,3						
	Maximum load	ASTM C 393 † N	220±20	380±40	550±60	740±80	900±100	1050±100	1250±100
	Deflection at maximum load	ASTM C 393 † mm	53±6	30±3	20±2	15±2	11±1	9±1	8±1
	Skins E Elastic Modulus**	Mpa	24'000±1'000						
	Moment of inertia I **	mm ⁴ /m	4'000	18'400	40'000	76'000	120'000	174'000	240'000
	Middle resistance to peeling ** †	ASTM D1781	>450 N/76 mm or >50 Nmm/mm						
	Maximum service temperature **	°C	- 40/ + 75						
Thermal expansion coefficient ***	°C ⁻¹	1,5 - 3,5*10 ⁻⁵							

* Tested by Certifying Institute

** Tested by Internal Laboratory

*** Approximate value

† Sample dimension with 4 support points (L,W) 540 mm x 50 mm

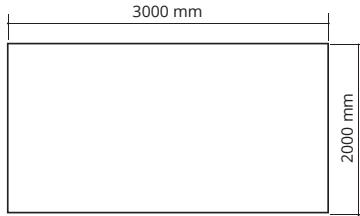


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ALUMINIUM AND THERMOPLASTIC HONEYCOMBS, LAMINATES, SANDWICH PANELS

ENG

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



on request

