

CLEARSTEP

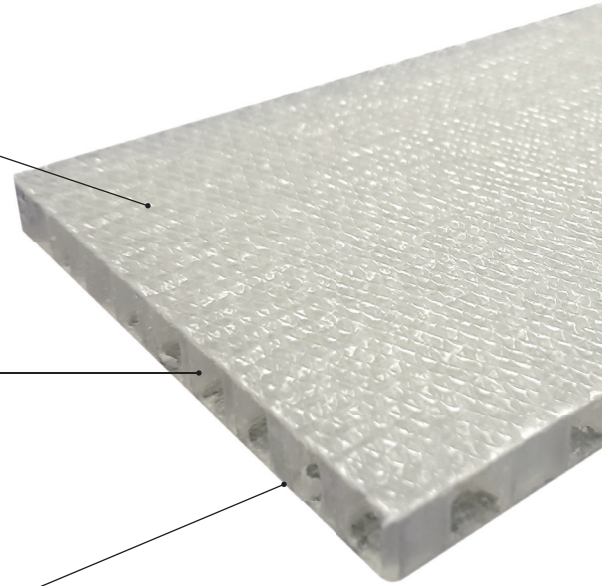
Panel's composition

SKINS IN GLASSFIBER FABRIC

Impregnated with epoxy resin - Thickness mm: 0,4

CORE

Polypropylene honeycomb



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

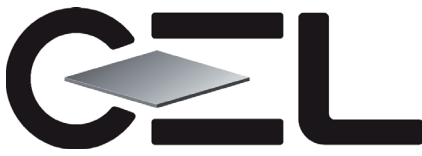
TECHNICAL CHARACTERISTICS OF PANEL		Panel thickness		mm		from 6 to 60								
		Panel size		mm		Standard dimensions 1180x2480 1500x3000 on request								
Thickness tolerance		mm		±0,4										
Dimension tolerance		mm		± 30										
Skins thickness		mm		0,4										
Skin				Texture plain 500 gr/m ² 600 tex										
Honeycomb type				polypropylene										
Honeycomb diameter		Ø =mm		8										
Honeycomb density		Kg/m ³		80										
Adhesive				Transparent 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**		ASTM C 365-365 M		Mpa		24'000±1'000						
		Moment of inertia **				mm ⁴ /m		220±20	380±40	550±60	740±80	900±100	1050±100	1250±100
		Middle resistance to peeling **		ASTM D1781-98 (2012)				>450 N/76 mm or >50 Nmm/mm						
Maximum service temperature **				°C		- 40/ + 60								
Thermal expansion coefficient ***				°C ⁻¹		1,5 * 10 ⁻⁵ / 1,5 mm for ΔT 100 C for 1 meter length								

* Tested by Certificating Institute

** Tested by Internal Laboratory

*** Approximate value

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

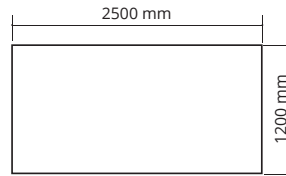
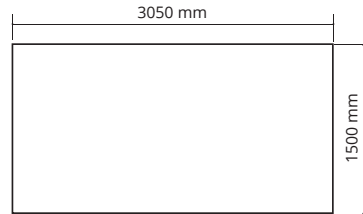


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ALUMINIUM AND THERMOPLASTIC HONEYCOMBS, LAMINATES, SANDWICH PANELS

ENG

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



Sandwich Panel CLEARSTEP

Last Revised: 03/24_Rev.4