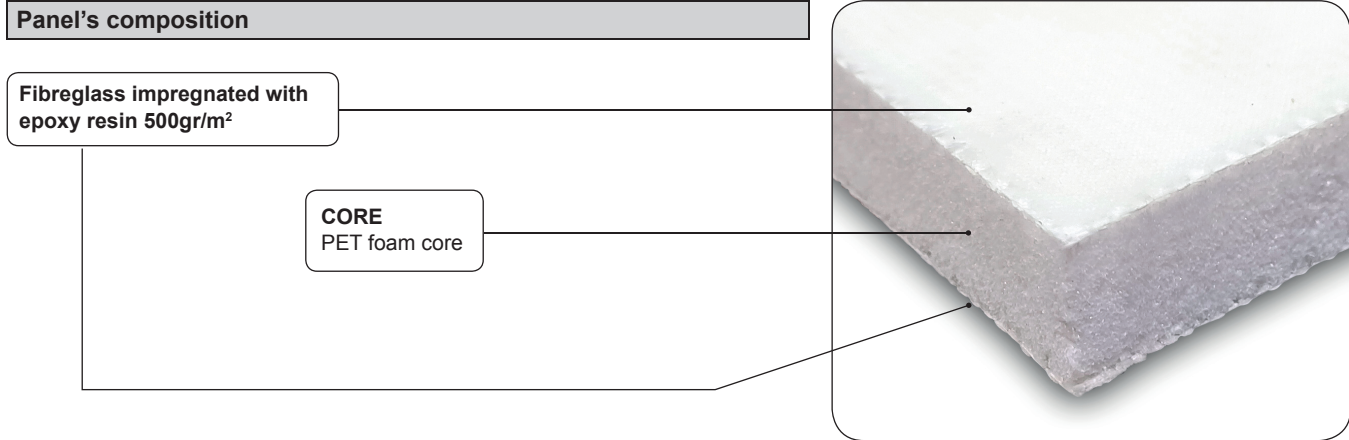


CLEARPET



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

TECHNICAL CHARACTERISTICS OF PANEL										
		mm								
panel thickness		mm		from 8 to 60						
panel size		mm		standard 1000x2500 other dimensions available on request						
thickness' tolerance		mm		±0,4						
dimension's tolerance		mm		± 30						
skins' thickness		mm		0,4						
Impregnation				transparent epoxy resin with anti-UV filters						
glass fibre skin type				Glass fibre Plain 500 gr/m ² 600 tex						
core materials				PET foam core						
core thickness		µm		from 7 to 60						
diameter of honeycomb		Ø = mm		from 3 to 19						
core density		Kg/m ³		from 40 to 250						
adhesive				two-component epoxy						
PANEL PHYSICAL AND MECHANICAL PERFORMANCES		panel thickness	mm	10	20	30	10	20	30	
		panel weight ‡	Kg/m ²	2,9±0,3	3,7±0,3	4,5±0,3	3,4±0,3	4,8±0,4	6,1±0,4	
		core material		PET foam core			PET foam core			
		foam density	Kg/m ³	80			135			
		compressive strength	ASTM C 365-365 M	MPa	0,83			2,3		
		shear modulus		MPa	16			35		
		yield load	ASTM C 393†	N	220	560	800	390	780	1400
		deflection at yield load	ASTM C 393†	mm	16±2	11±1	7±1	26±2	14±2	10±1
		skins E Elastic Modulus**		Mpa	28'000±1'000					
		moment of inertia I		mm ⁴ /m	18'400	76'000	174'000	18'400	76'000	174'000
		middle resistance to peeling **	ASTM D1781		265 N/76mm - 17 Nm/m			300 N/76 mm - 23 Nm/m		
		thermal conductivity (referred to foam only)	a 23°C	W/(m·°K)	0,034			0,037		
		thermal transmittance U (referred to foam only)	a 23°C	W/(m ² ·°K)	3,8	1,8	1,2	4,1	2,0	1,3
		service temperature **		°C	- 40/ + 60					

** Tested by Internal Laboratory

*** Approximate value

† Sample dimension with 4 support points (L, W) 540x50 mm