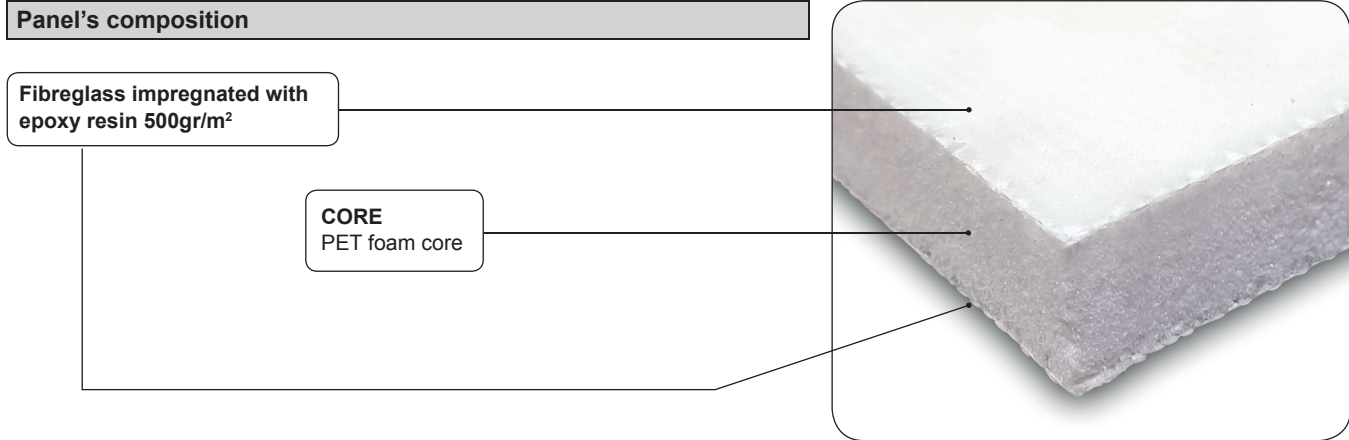


CLEARPET



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

TECHNICAL CHARACTERISTICS OF PANEL									
TECHNICAL CHARACTERISTICS OF PANEL	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