

PVC-STEP

Panel's composition

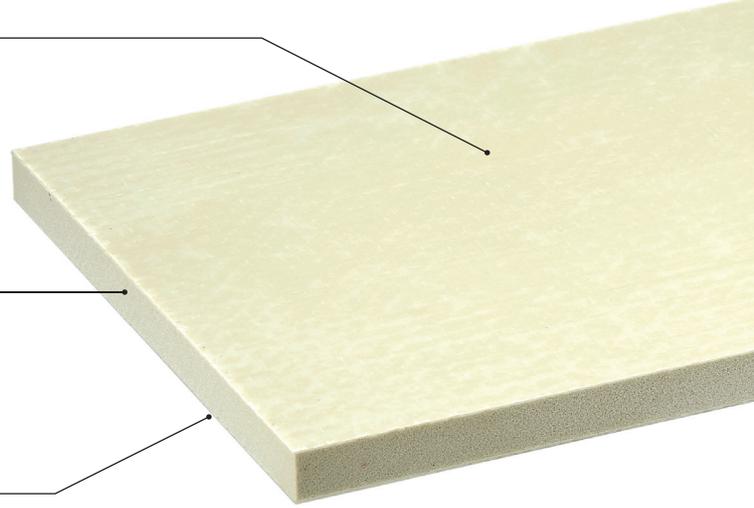
SKINS IN GLASSFIBER FABRIC

Impregnated with epoxy resin - **Thickness mm: 0,5**

CORE

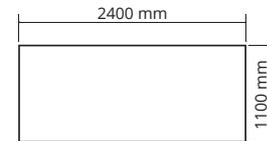
PVC foam

Density: from 50 to 60 kg/m³



EXAMPLE	Panel's weight 55kg/m ³				
	<ul style="list-style-type: none"> • Thickness' tolerance $\pm 0,3$ mm • Dimension's tolerance ± 30 mm 				
	Total thickness mm	10	15	20	25
	SKINS' thickness mm	0,5 + 0,5			
	CORE'S thickness mm	9	14	19	24
Weight kg/m ²	3,4	3,7	4	4,3	

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



PVC foam core's properties						
Type	MC 40	MC 50	MC 80	MC 100	MC 130	MC 200
Density kg/m ³	from 36 to 46	from 54 to 69	from 72 to 92	from 90 to 115	from 120 to 150	from 180 to 250
Fire resting property	reaction to fire class RF2/75/A RF3/77					
Compressive strength MPa	0,46	0,61	1,44	1,91	2,79	5,19
Tension strength MPa	0,71	0,96	2,02	2,71	3,79	5,95
Thickness min. in mm	3	3	3	3	3	3
Thickness max. in mm	83	78	72	68	58	48
Dimension mm	1330x2850	1150x2450	1020x2180	2050x950	850x1900	750x1600
Colour	light green	yellow	green	red	blue	brown

PET-STEP

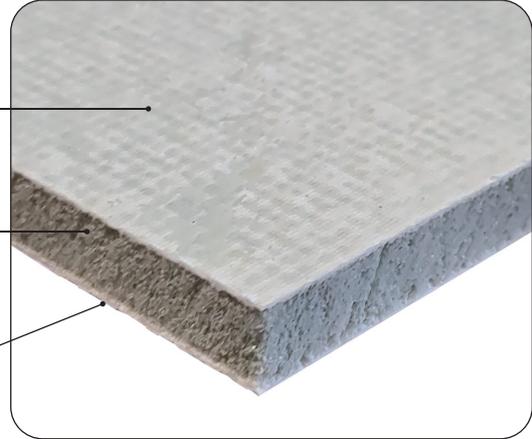
Panel's composition

SKIN IN GLASSFIBRE

impregnated with epoxy resin 500 gr/m²

CORE

PET foam core



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

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 tolerance	mm	± 30							
Skins thickness	mm	0,4							
Skin		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/ + 80						

** Tested by Internal Laboratory

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