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ALUMINIUM AND THERMOPLASTIC HONEYCOMBS, LAMINATES, SANDWICH PANELS



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Compocel® WF

Panel's composition

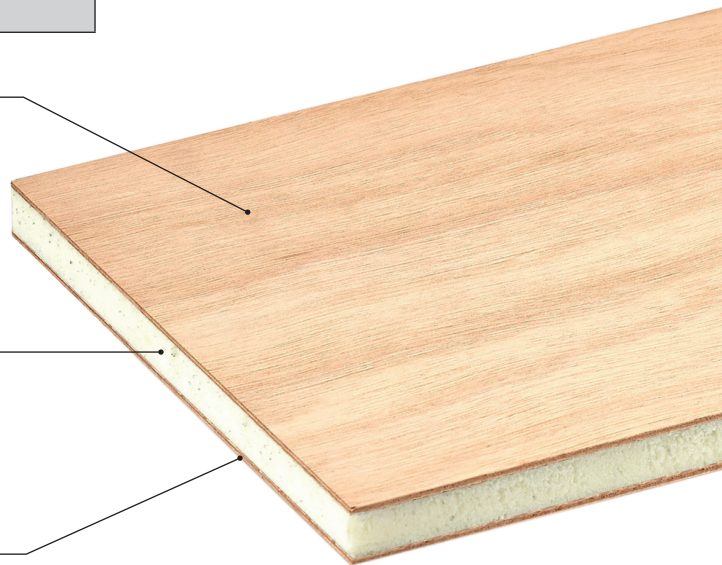
SKINS IN MARINE PLYWOOD* quality Okoumé

Thickness: from 1,5 to 8 mm

CORE

PVC foam

Density: from 40 to 200 kg/m³

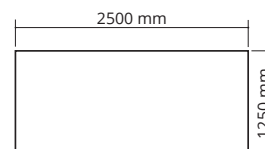
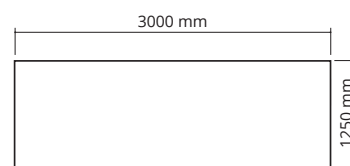
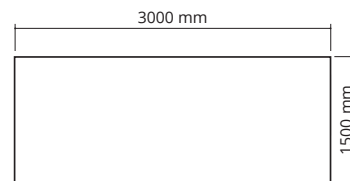


EXAMPLE	Panel's weight 55kg/m ³				
	• Thickness' tolerance $\pm 0,3$ mm • Dimension's tolerance ± 30 mm				
	Total thickness mm	10	15	20	25
	SKINS' thickness mm	1,8 + 1,8			
	CORE'S thickness mm	6,4	11,4	16,4	21,4
	Weight kg/m ²	3	3,3	3,6	3,9

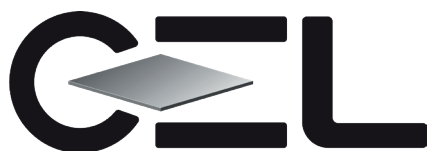
Standard dimensions

(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
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



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PET/W GR			GR70	GR80	GR100	GR115	GR135	GR150	GR200	GR250	GR320
Density	ISO 845	kg/m ³	70 ⁽¹⁾	80 ⁽¹⁾	100 ⁽¹⁾	115 ⁽¹⁾	135 ⁽²⁾	150 ⁽²⁾	200 ⁽²⁾	250 ⁽²⁾	320 ⁽²⁾
Compression Strength	ISO 844	MPa	0,75	1,0	1,5	1,8	2,3	2,6	4,0	5,3	7,0
Compression Modulus	ISO 844	MPa	40	57	77	90	105	120	175	235	320
Shear Strength	ISO 1922	MPa	0,5	0,6	0,75	0,95	1,2	1,35	1,75	2,0	2,1
Shear Modulus	ISO 1922	MPa	13	16	21	26	35	37	51	70	90
Shear Strain	ISO 1922	%	15	13	10	10	7	7	5	3	2
Tensile Strength	ASTM C 297	MPa	1,8	2,0	2,5	2,9	3,0	3,3	3,9	4,3	4,8
Tensile Modulus	ASTM C 297	MPa	66	80	120	140	140	185	235	270	350
Thermal Conductivity	at 23°C	W/mK	0,034	0,034	0,034	0,034	0,037	0,041	0,043	0,047	tbd

⁽¹⁾ Tolerances: +/- 5 kg/m³

⁽²⁾ Tolerances: +/- 5 %