

Compocel® W

Panel's composition

SKINS IN MARINE PLYWOOD* quality Okoumè
Thickness: from 1,5 to 8 mm

CORE
 Aluminium honeycomb (Alloy 3003/3005/3103/3104**) with hexagonal cells
Diameter: Ø1/4", Ø3/8", Ø1/2", Ø3/4"
Thickness Foil: from 50 to 70 microns



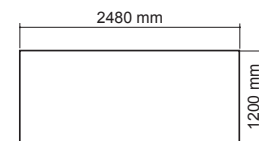
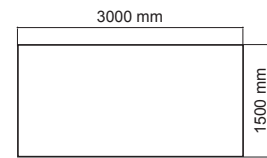
Thickness starting from 3 mm to 300 mm

* Other qualities of plywood on request

** To Aluminium alloy series 3000 belong: Aluminium alloy 3003, Aluminium alloy 3005, Aluminium alloy 3103, Aluminium alloy 3104

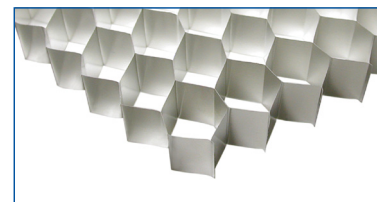
EXAMPLE	Panel's weight Ø6 56kg/m ³ (Ø 1/4")				
	• Thickness' tolerance ± 0,3 mm • Dimension's tolerance ± 30 mm				
	Total thickness mm	10	15	20	25
	SKINS' thickness mm	1,8 + 1,8			
	CORE'S thickness mm	6,4	11,4	16,4	21,4
Weight kg/m ²	3	3,3	3,6	3,9	

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



Honeycomb core's properties		50 Microns			
Type	ALUMINIUM ALLOY 3003/3005/3103/3104				
Ø honeycomb in mm	6	9	12	19	
Ø honeycomb in inches	1/4"	3/8"	1/2"	3/4"	
Density Kg/m ³	56 - 59	39 - 40	29 - 30	20 - 21	
Compressive stabilised strength MPa	3,0 - 3,5	1,4 - 1,95	0,8 - 0,95	0,4 - 0,6	

Honeycomb core's properties		70 Microns			
Type	ALUMINIUM ALLOY 3003/3005/3103/3104				
Ø honeycomb in mm	6	9	12	19	
Ø honeycomb in inches	1/4"	3/8"	1/2"	3/4"	
Density Kg/m ³	80 - 83	54	40 - 42	27 - 29	
Compressive stabilised strength MPa	4,3 - 4,6	2,5 - 2,6	1,41 - 1,5	0,85 - 0,9	



Aluminium honeycomb