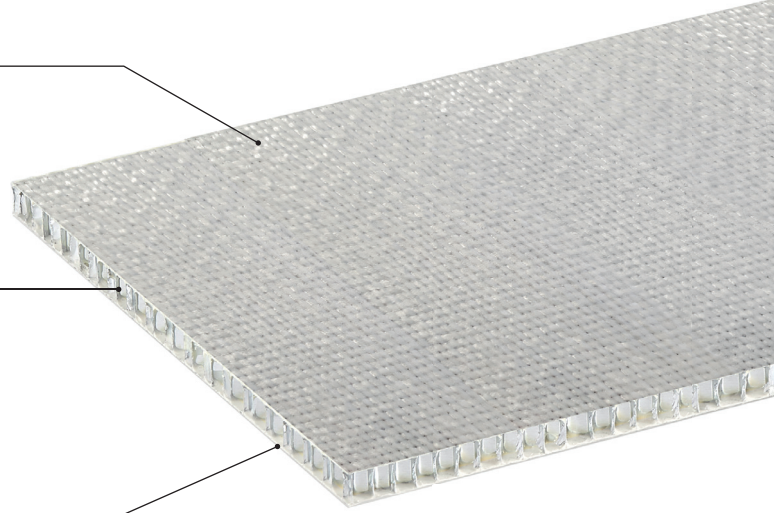


ALUSTEP® 500 SL

Panel's composition

SKINS IN BIDIRECTIONAL GLASSFIBER FABRIC
 490g/m² impregnated with epoxy resin

CORE
 Aluminium honeycomb (Alloy series 3000*)
 with hexagonal cells
Diameter: Ø1/4", Ø3/8" **
Thickness Foil: from 50 to 70 microns



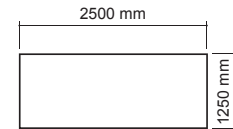
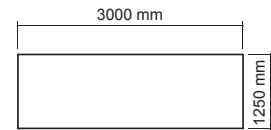
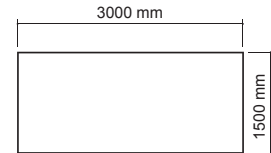
Thickness starting from 3 mm to 80 mm

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

** Ø3/8" on request

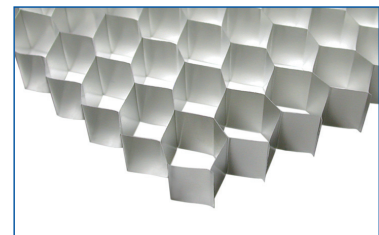
EXAMPLE	Panel's weight Ø6 56kg/m ³ (Ø 1/4")					
	<ul style="list-style-type: none"> Thickness' tolerance ± 0,3 mm Dimension's tolerance ± 30 mm 					
	Total thickness mm	5	10	13	15	20
	SKINS' thickness mm	0,3 + 0,3				
	CORE'S thickness mm	4	9	12	14	19
Weight kg/m²	~ 1.79	~ 2.07	~ 2.24	~ 2.35	~ 2.63	

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	
Ø honeycomb in inches	1/4"	3/8"	
Density Kg/m ³	56 - 59	39 - 40	
Compressive stabilised strength MPa	3,0 - 3,5	1,4 - 1,95	

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



Aluminium honeycomb