

ALUSTEP® 300 - D

Panel's composition

SKIN IN BIDIRECTIONAL GLASSFIBER FABRIC

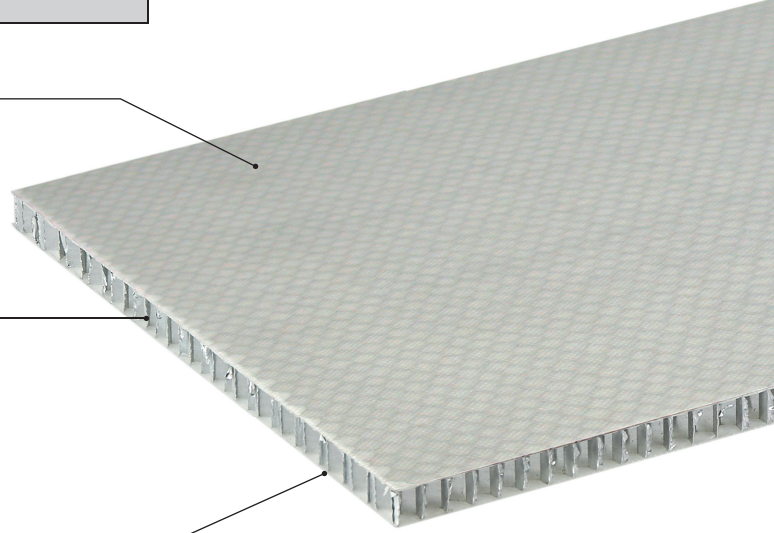
impregnated with epoxy resin 2 x 290g/m²

CORE

Aluminium honeycomb (Alloy series 3000*) with hexagonal cells

Diameter: Ø1/4", Ø3/8" **

Thickness Foil: from 50 to 70 microns



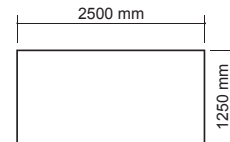
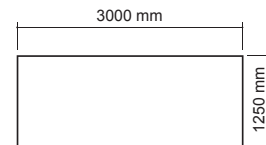
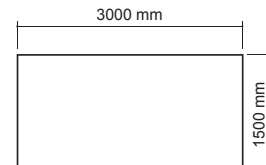
Thickness starting from 3 mm to 80 mm

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

** Ø3/8" on request

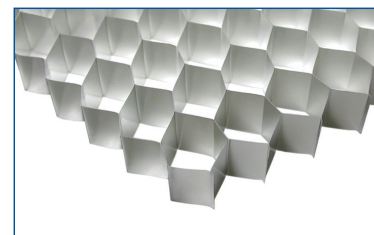
EXAMPLE	Panel's weight Ø6 56kg/m ³ (Ø 1/4")					
	Total thickness mm	5	10	13	15	20
	SKINS' thickness mm	0,3 + 0,3				
	CORE'S thickness mm	4,4	9,4	12,4	14,4	19,4
	Weight kg/m ²	2,46	2,74	2,92	3,02	3,30

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