

Compocel® ALH

Panel's composition

FACED ON ONE OR BOTH SIDES

with decorative laminate
Thickness: from 0,7 mm

UPPER SKIN IN RAW ALUMINIUM

Thickness: from 0,5 mm

ALUMINIUM HONEYCOMB

(Alloy series 3000*) with hexagonal cells

Diameter: Ø3/8"

Thickness Foil: 50 microns

LOWER SKIN IN RAW ALUMINIUM

Thickness: from 0,5 mm



On request:

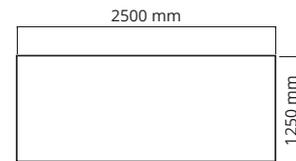
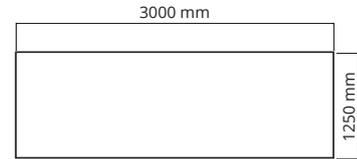
- other thicknesses,

- special alloys, treatments and pre paint with ral colors

* To Aluminium alloy series 3000 belong: Aluminium alloy 3003, Aluminium alloy 3005, Aluminium alloy 3103, Aluminium alloy 3104. Serie 5000 on demand.

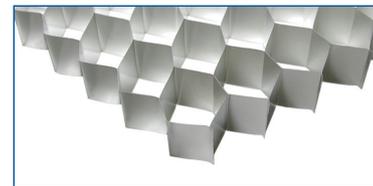
EXAMPLE	Panel's weight Ø6 56kg/m³ (Ø 1/4")				
	<ul style="list-style-type: none"> Thickness' tolerance ± 0,3 mm Dimension's tolerance ± 30 mm 				
	Total thickness mm	10	15	20	25
	SKINS' thickness mm (2 Skins of aluminium honeycomb, 1 skin in hpl)	1 + 1 + 0,9			
	CORE'S thickness mm	7,1	12,1	17,1	22,1
Weight kg/m²	7,8	8,1	8,4	8,7	

Standard dimensions Dimension tolerance ±30mm



Honeycomb core's properties		50 Microns			
Aluminium alloy series 3000*	ALLUMINIO LEGA 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/m³	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			
Aluminium alloy series 3000*	ALLUMINIO LEGA 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/m³	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

PROCESSING METHODS



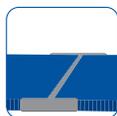
Cutting to size



Milling



Drilling



Joining



Cut to shape



Panel folding



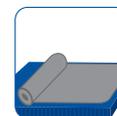
Panel edgings



Inserts



Painting



Veneering