

## Compocel® ALH

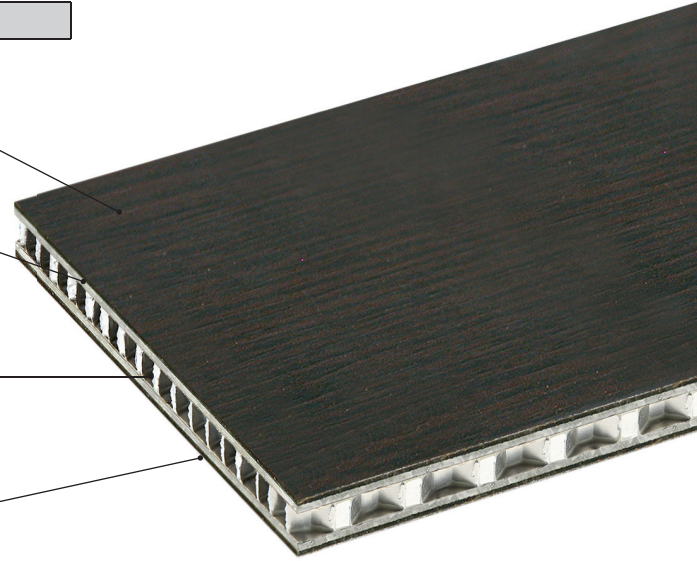
### Panel's composition

**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



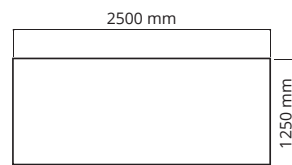
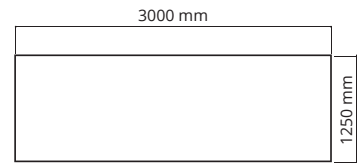
**On request:**

- 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.

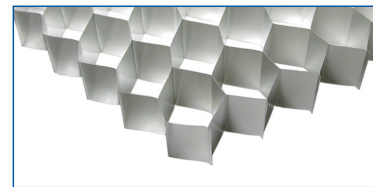
EXAMPLE	Panel's weight Ø6 56kg/m³ (Ø 1/4")				
	<ul style="list-style-type: none"> <li>• Thickness' tolerance ± 0,3 mm</li> <li>• Dimension's tolerance ± 30 mm</li> </ul>				
	<b>Total thickness mm</b>	10	15	20	25
	<b>SKINS' thickness mm (2 Skins of aluminium honeycomb, 1 skin in hpl)</b>	1 + 1 + 0,9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



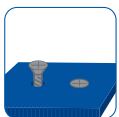
Cut to shape



Panel folding



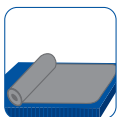
Panel edgings



Inserts



Painting



Veneering