

## 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

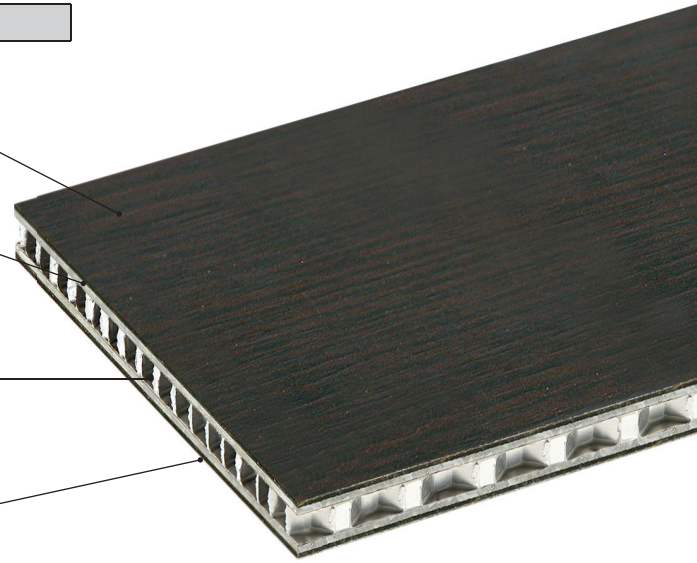
(Alloy series 3000\*) with hexagonal cells

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

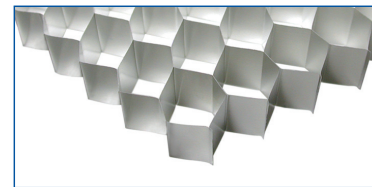
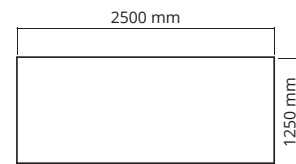
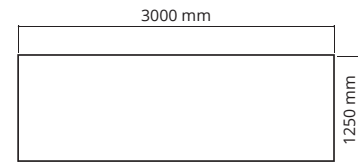
\* To Aluminium alloy series 3000 belong: Aluminium alloy 3003, Aluminium alloy 3005, Aluminium alloy 3103, Aluminium alloy 3104. Serie 5000 on demand.

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>				
	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

(other dimensions available on request)

Dimension tolerance ±30mm



Aluminium honeycomb

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

### PROCESSING METHODS



Cutting to size



Milling



Drilling



Joining



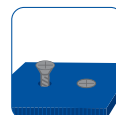
Cut to shape



Panel folding



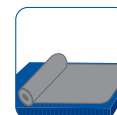
Panel edgings



Inserts



Painting



Veneering