

## Compocel® W

### Panel's composition

SKINS IN MARINE PLYWOOD\* quality Okoumè

Thickness: from 1,5 to 8 mm

#### CORE

Aluminium honeycomb Alloy series 3000\*\* with hexagonal cells

Diameter: Ø1/4", Ø3/8", Ø1/2", Ø3/4"

Thickness Foil: from 50 to 70 microns

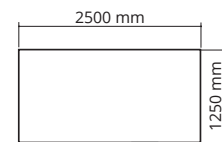
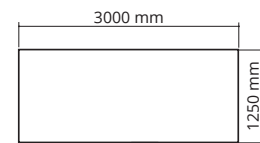
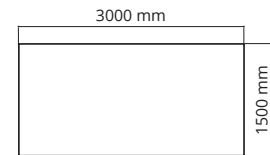


Thickness starting from 3 mm to 100 mm

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

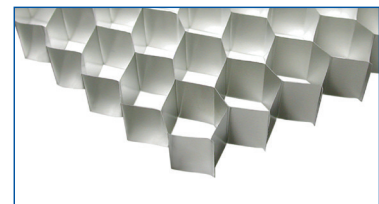
| EXAMPLE      | Panel's weight Ø6 56kg/m³ (Ø 1/4")   |           |      |      |      |
|--------------|--|-----------|------|------|------|
|              | <ul style="list-style-type: none"> <li>Thickness' tolerance ± 0,3 mm</li> <li>Dimension's tolerance ± 30 mm</li> </ul> |           |      |      |      |
|              | Total thickness mm   | 10        | 15   | 20   | 25   |
|              | SKINS' thickness mm  | 1,8 + 1,8 |      |      |      |
|              | CORE'S thickness mm  | 6,4       | 11,4 | 16,4 | 21,4 |
| Weight kg/m² | 3  | 3,3       | 3,6  | 3,9  |      |

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          | 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 |            |            |  |
|-------------------------------------|-------------------------------------|------------|------------|------------|--|
| Type                                | ALUMINIUM ALLOY 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