

## ALUMINIUM HONEYCOMB PANEL

### Product Description:

They are ready-made panels of different thicknesses, light weight and excellent rigidity. You can use any kind of light panel only by cutting it when you need it. The router can also be cut like a normal composite panel cut. You can get the desired decorative color with the foil lamination that you will make on its surface. You can get angular shapes by making an edge bend, and cambered shapes by making a general twist.

### Application Areas:

- Airline
- Automotive
- Marin
- Marble Industry
- Transportation Vehicles
- Machinery Industry
- It is used in advanced composite applications.

### Features and Advantages:

- Lightweight
- High compressive strength
- Not affected by moisture and water
- Easy cutting, practical application
- The material of Al 300 series is 1mm plates on the bottom and top, inside is al honeycomb

### Storage:

HONEYCOMBPANEL-AL can be stored in pallets or on shelves. Heights on pallets exceed 2 m it should not exceed. Storage should be carried out horizontally, in a dry environment.

### Technical Specifications:

General Information	
Color	Grey
Cell Diameter	-1,65 kg/litre
Foil Thickness	1 Unit Component A : 1 Unit Component B (By Weight)
Weight	5 kg set
Operating Temperature	-40 / +80
Bending	138,900 kNm <sup>2</sup> /m
Hardness	18,1 cm <sup>3</sup> /m
Density	83kg/m <sup>3</sup>
Width x Height	150cmx300cm

### Structure

- h: Total thickness
- d1: Al surface thickness (front)
- d2: Al surface thickness(back)

### Core

- b: The cell diameter (approx. 9 mm)
- s: The thickness of the foil (approx. 50 -70µm)

Standard Types			
Type	H	d1	d2
06	6,0 mm	1,0 mm	0,5 mm
10	10,0 mm	1,0 mm	0,5 mm
15	15,0 mm	1,0 mm	1,0 mm
20	20,0 mm	1,0 mm	1,0 mm
25	25,0 mm	1,0 mm	1,0 mm

HONEYCOMBPANEL-AL			
Type	Weight	Flexural rigidity *	Section modulus
06	4.7 kg/m <sup>2</sup>	7,100 kNm <sup>2</sup> /m	2.5 cm <sup>3</sup> /m
10	5.0 kg/m <sup>2</sup>	21,900 kNm <sup>2</sup> /m	4.5 cm <sup>3</sup> /m
15	6.7 kg/m <sup>2</sup>	75,600 kNm <sup>2</sup> /m	13.1 cm <sup>3</sup> /m
20	7.0 kg/m <sup>2</sup>	138,900 kNm <sup>2</sup> /m	18.1 cm <sup>3</sup> /m
25	7.3 kg/m <sup>2</sup>	221,600 kNm <sup>2</sup> /m	23.1 cm <sup>3</sup> /m