

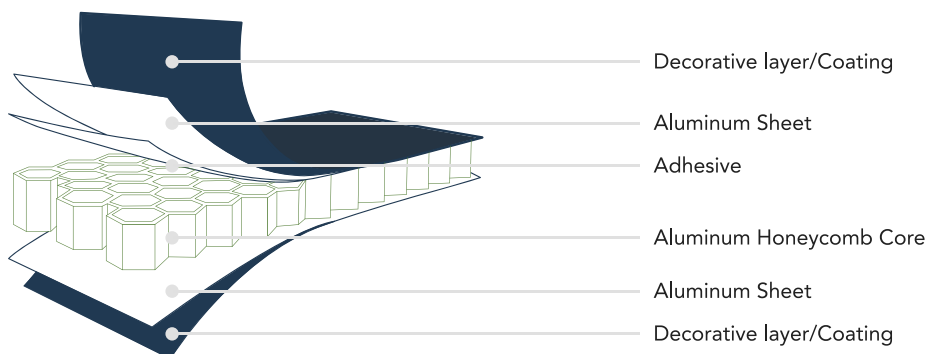
## AlmaxCore Aluminium Honeycomb Panels

are Sandwich panels with a honeycomb structured core laminated with top and bottom coated aluminum cover sheets.

The hexagonal honeycomb structure of the core gives the panel superior flatness, rigidity and strength. The honeycomb structure makes the panel lightweight compared to other materials of the same volume hence enhancing its stiffness and stability making it ideal for a wide range of applications across many industries.

AlmaxCore Honeycomb Panels are 100% post-consumer recyclable and environmentally friendly. The panels are fire-retardant (A2 Grade) and a safer choice as there is no risk of flame droplets or emission of toxic smoke.

Our panels are produced with a continuous production process which ensures the highest level of quality and peel strength, available in a range of thickness from 6mm upto 25mm with the most common being 10mm, 15mm and 20mm, AlmaxCore panels are ideal for wide range of indoor and outdoor applications.



## Product Properties

Item	Property				
Panel Thickness (mm)	6	10	15	20	25
Panel average weight kg/m <sup>2</sup>	4,7	5	6,7	7	7,3
Rigidity (kNcm <sup>2</sup> /m)	7100	21900	75500	138900	221600
Tensile strenght (N/mm <sup>2</sup> )	RmN125		RmN220		
Modulus of elasticity	7000kg/mm <sup>2</sup>				
Elongation %	A50N5%		A50>10%		
Thermal conductivity	0,95	1,35	1,78	2,25	2,7
Linear thermal expansion	2.4mm/m at 100degree temp difference				
Temperature range	-40~80degree				

## Product Application

- Clean Room Walls and Partitions
- Ceilings and Roofing
- Facade cladding
- Food factories and Laboratories
- Hospital Operating Rooms and Sterile wards
- Interior decorative walls
- Train and Tram Interiors
- Marine & Boat Interiors
- Elevator Interiors

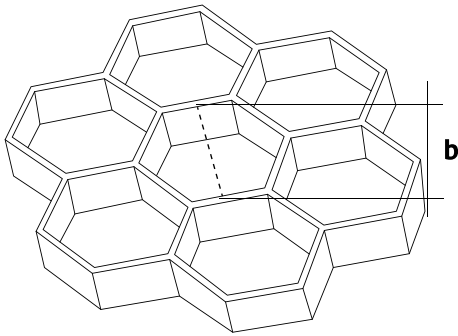
## Product features

- Lightweight and high strength
- Superior flatness and flexural rigidity
- Fire Retardant A2 grade (No Flame Droplets or Toxic Smoke)
- High surface flatness, not easy to deform
- Eco-Friendly and Recyclable
- Sound insulation
- Easy and cost effective to processing and install

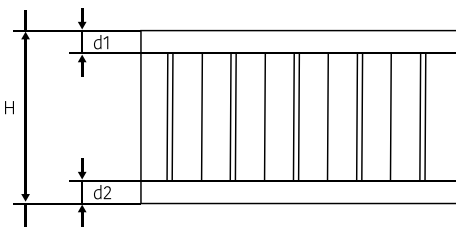


# Panel Specifications

Panel Thickness	6mm, 10mm, 15mm, 20mm, 25mm
Top Cover Sheet thickness	0.80mm and 1mm (Other thickness on request)
Bottom Cover Sheet thickness	0.50mm, 0.80mm and 1mm (Other thickness on request)
Top and Bottom Coil Alloy	A3003, H16, H24
Honeycomb Core Alloy	A3003, H16
Honeycomb Core Cell Size	6.3mm to 19mm
Honeycomb Foil thickness	0.40mm to 0.80mm ( can be customized on request)
Panel Widths (Standard)	1220mm, 1250mm, 1500mm ( Other widths on request)
Panel Lengths	2440mm, 3050mm 3660mm ( Other length on request)
Coating Paint Type	Polyester, HDPE, FEVE and PVDF
Coating Thickness	20um to 50um ( depending on application and paint)
Coating Gloss	25% to 75%



b = cell size



panel - top & bottom skin thickness

