

HEADQUARTER - ECHTERNACH (LUX)



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WE REINFORCE YOUR IDEAS



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## ALUMINIUM 5052/5056 HONEYCOMB CORE

FOR AVIATION, SPACE, DEFENCE  
AND INDUSTRIAL APPLICATIONS





## DESCRIPTION

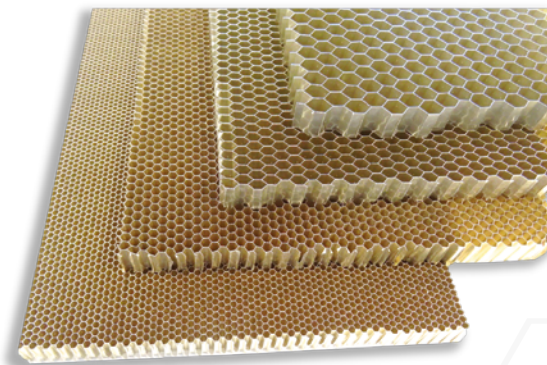
### NEW PHOSPHORIC ACID ANODIZED ALUMINUM HONEYCOMB CORE WITH CORROSION PROTECTION

- Very high compressive strength
- Excellent corrosion resistance
- High thermal conductivity and increased application temperatures
- Very high moisture and fungi resistance

## APPLICATIONS

For use in commercial aviation, space and defence applications. Best suitable for structural components subjected to high tensile, compression or impact stresses (e.g. wing structures, engine cowlings, satellite structures and radar antennas etc.).

Applicable for use in marine applications due to alkaline and salt-water resistance.



## PORTFOLIO

Configurations available:

WALL THICKNESS IN INCH	CELL SIZES IN INCH	CELL SIZES IN MM
0.0007	1/8	3.2
0.0010	5/32	4.0
0.0015	3/16	4.8
0.0020	1/4	6.4
0.0025	3/8	9.6
0.0030	1/2	12.7
0.0040		
0.0050		

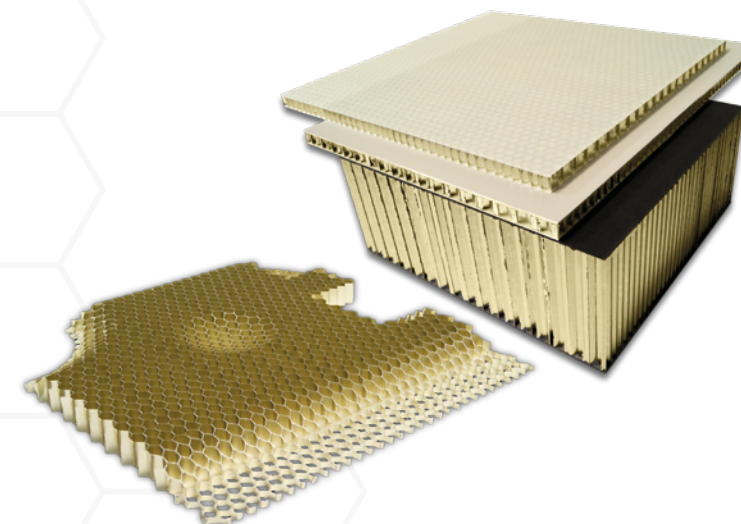
## AVAILABILITY

- Aluminum alloys 5052 and 5056
- Expansion: linear and radial
- Cell configuration: hexagonal, rectangular, 3D flexible core
- Standard sheet size: 2440 mm (96 inch) x 1220 mm (48 inch)
- Maximum size up to 6000 mm (236 inch) x 2000 mm (78 inch)
- Panels and various added value products

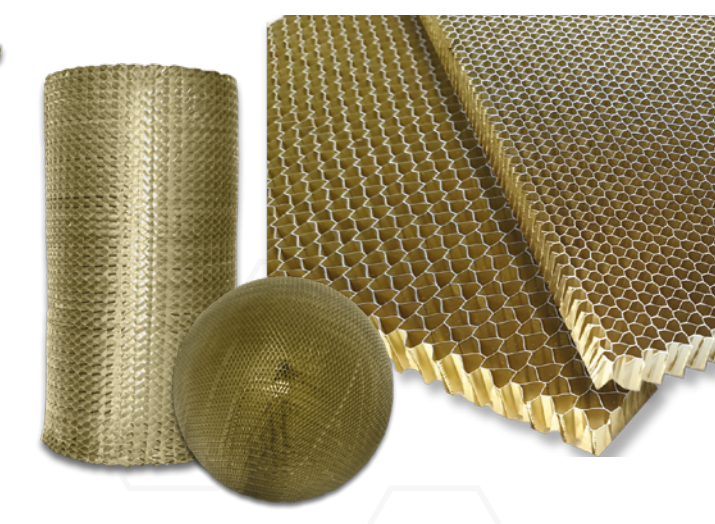
## ADVANCED FACILITIES FOR HONEYCOMB PRODUCTION



## ADDED VALUE PRODUCTS



## 3D FLEXIBLE CORE



## CORE AND PANEL CAPABILITIES

- Formed elements, machined parts and assembled structures
- Facilities for splicing, potting, stabilizing and slotting
- Panels with aluminum-, GFRP-, CFRP- and other skins
- Large panel press with panel length up to 15,000 mm (590 inch)
- Wide testing infrastructure and qualification support
- Large clean room and autoclave capacities