

Innovative lightweight honeycomb cores, panels, composites, adhesives, process equipment & consultancy

UltraLite™ ALI AHC

Ultra Lightweight Aluminium Honeycomb Panel

ALI/AHC/ALI

- Lightweight: From 3.7+Kg/sqm
- Excellent Flatness
- Rigid and Structural
- Fire Class 1 BS476 Pt7
- Thermal Conductor
- Easy to Cut and Fabricate
- Energy Absorbing
- Easy to Paint and Glue



Skins

- 0.5mm Aluminum 5000 series (Etch Primed)

Options

- 0.7mm – 1mm thick

Core

- AHC - Aluminium Honeycomb (3000/5052)

Options

- Cell Size: 3/6/9/13/19mm
- Density: 18 – 83kg/m³
- Foil: 50 micron and 70 micron
- Perforated or Non Perforated Foil

Panel Size Range

- 2440mm x 1220mm (Standard)
- Options: Upto 3000mm x 1250mm depending on skins
- Cut to size kits

Thickness Range

- 5mm to 100mm (Others on request)

Weight Range Guide (All panels made to order)

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|--|---|
| • 0.5ALI/19AHC-6/0.5ALI
4.5Kg/sqm@20mm | • 0.5ALI/12AHC-9/0.5ALI
3.7kg/sqm@13mm |
| • 0.5ALI/49AHC-19/0.5ALI
4.8Kg/sqm@50mm | • 0.5ALI/5AHC- 6/0.5ALI
3.7Kg/sqm@6mm |

Typical Applications

- Lightweight Tooling Boards
- Lightweight Flight Cases
- Lightweight Floor/Wall/Ceiling Panels
- Lightweight Marble / Stone Panels
- Lightweight Ramps
- Lightweight Marine/Train Wall Panels
- Lightweight Architectural Panels
- Lightweight Monocoque Chassis
- Lightweight Machine Covers

Minimum Order: 3 panels / 10sqm
All panels made to order: Typically 2-4 weeks lead time

