



# AYRLITE® 2065

Decorative Faced, Aluminium Honeycomb Panel

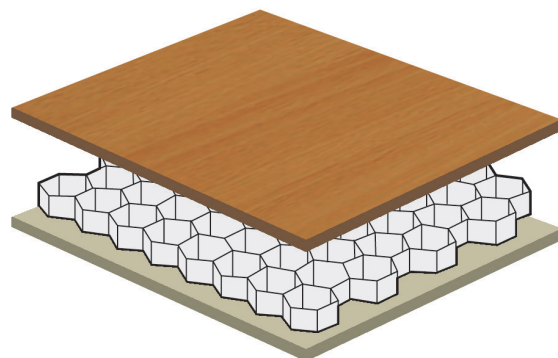
## DESCRIPTION

AYRLITE® 2065 is an aluminium honeycomb panel **faced with decorative HPL laminate**.

Panels are produced with the same colour/finish laminate to both faces, to ensure panel flatness.

AYRLITE® 2065 is specifically designed to provide a lightweight panel with high stiffness and strength for the interior fitout of private marine craft.

Strain-hardened hexagonal cell aluminium honeycomb has optimum mechanical properties and is able to carry shear loads at much lower weight than foams or other core types.



## ACCREDITATIONS

- Meets ISO 1182 requirements, for Non-Combustibility of aluminium honeycomb core
- Aluminium honeycomb core meets the requirements of AMS-C-7438 salt fog anti-corrosion performance

## FEATURES

- Low weight
- High stiffness
- Easy to fabricate
- Range of decorative finishes available
- 1/4" (6.35mm) cell size
- Wide selection of AYRLITE® Joiners & Assembly Accessories are available

## APPLICATIONS

- Wall linings
- Furniture
- Bulkheads
- Internal modules eg. galleys, toilets, etc.
- Cabinetry
- Partitions
- Ceilings
- Tables
- Doors

## FABRICATION

AYRLITE® 2065 can be easily cut and drilled with standard tools, such as circular saws, routers, etc. Components or complete interiors can be fabricated using AYRLITE® Joiners & Assembly Accessories and polyurethane paste adhesives.



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## PHYSICAL AND MECHANICAL PERMORMANCE

Thickness (inches   mm)	Weight (lb/ft2   kg/m2)	Long Beam		Flatwise Tensile (psi)	Flatwise Compression (psi)
		Max Load (lbf/N)	Deflection at Max Load (inches   mm)		
0.4   10	0.74   3.6	150   650	0.8   20	145	325
0.8   20	0.86   4.2	290   1270	0.4   9	145	325
1.2   30	0.96   4.7	430   1890	0.2   6	145	325

Typical room temperature properties for 0.040" (1mm) decorative laminate faced panels. Mechanical test procedures to AMS-STD-401

## AVAILABILITY

<b>Standard Dimensions</b>
96" x 48" (2400mm x 1200mm)
<b>Panel Thickness</b>
Made to order, minimum thickness 1/4" (6mm)

## SAFETY

As with cutting operations on most materials, avoid inhalation and eye contact with machining dust. Wear protective equipment such as hearing protection and safety glasses during any cutting operations. Use machine guards. Wear gloves to avoid cuts. Wash hands before eating, drinking or smoking and after finishing work.

## STORAGE

**NOTE:** Unbalanced exposure of the panel faces to ambient moisture levels during transport and storage can induce bow in some panels; typically the top and/or bottom panel of a pack. To restore moisture balance and flatness, simply expose the concave face to the atmosphere overnight.



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