



AYRLITE® 2068

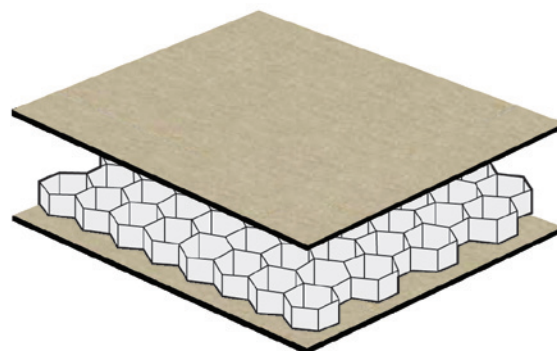
Non-Decorative Faced, Aluminium Honeycomb Panel

DESCRIPTION

AYRLITE® 2068 is an aluminium honeycomb panel **faced with non-decorative HPL laminate on both sides.**

AYRLITE® 2068 is specifically designed to provide a lightweight panel substrate with high stiffness and strength, for the secondary bonding of wood veneers and other finishing materials.

Strain-hardened hexagonal cell aluminium honeycomb has optimum mechanical properties and is able to carry shear loads at significantly 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
- Panels are manufactured to any thickness, from 1/4" (6mm) to 3" (80mm)
- 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® 2068 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 (MPa)	Flatwise Compression (MPa)
		Max Load (Newtons)	Deflection at Max Load (inches mm)		
0.4 10	0.74 3.6	825	1.3 32	1.2	2.6
0.8 20	0.86 4.2	1924	0.63 16	1.2	2.6
1.2 30	0.96 4.7	3188	0.51 13	1.2	2.6

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

AVAILABILITY

Standard Dimensions
96" x 48" (2400mm x 1200mm)
Panel Thickness
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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