



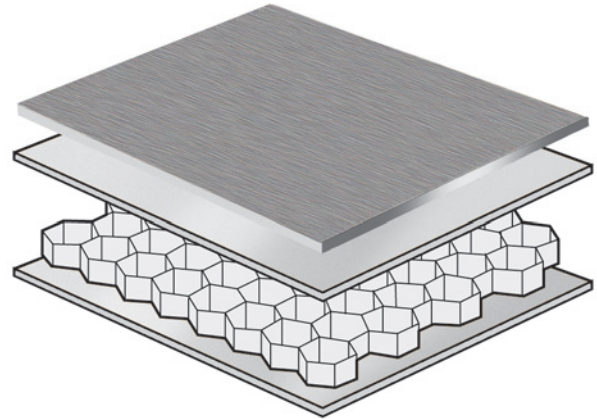
AYRLITE® 2034

One Side Stainless Steel Faced, Aluminium Honeycomb Panel

DESCRIPTION

AYRLITE® 2034 is an aluminium honeycomb panel with stainless steel sheet bonded to one face only.

Strain-hardened hexagonal cell aluminium honeycomb has optimal 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 for salt fog anti-corrosion performance

APPLICATIONS

- Wall linings
- Internal modules eg. galleys, toilets, kiosks etc
- Doors

FEATURES

- Low weight
- High stiffness
- Easy to fabricate
- Recyclable
- Aluminium honeycomb cell size is 1/4" (6.35mm)
- Wide selection of AYRES® Profiles & Assembly Accessories are available
- 0.55mm 304 2B Stainless Steel sheet (or other qualities) is bonded to one face only



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PHYSICAL AND MECHANICAL PERFORMANCE

Thickness (mm)	Weight (kg/m ²)	Long Beam		Climbing Drum Peel (N/76mm)	Flatwise Compression (MPa)
		Max Load (Newtons)	Deflection at Max Load (mm)		
10	7.95	990	20	461	2.3
20	8.45	1947	10	461	2.3
30	8.95	2865	7	461	2.3

Typical room temperature properties for 0.5mm aluminium faced panels with 0.55mm Stainless Steel sheet bonded to one side only. Mechanical test procedures to AMS-STD-401

AVAILABILITY

Standard Dimensions
2438mm x 1219mm
Panel Thicknesss
Made to order, minimum thickness 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.



AYRES
Lightweight Panel Systems

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