



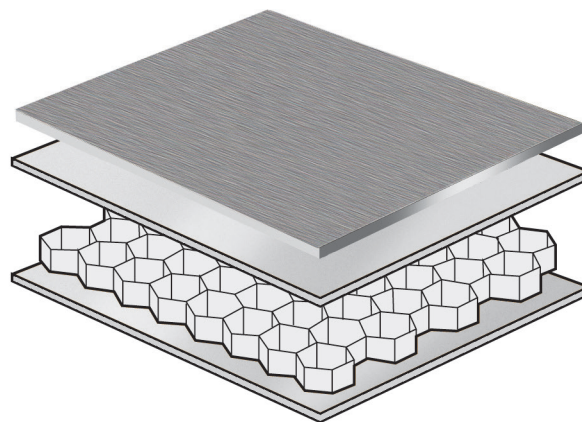
AYRLITE® 2034

Stainless Steel Faced, Aluminum Honeycomb Panel

DESCRIPTION

AYRLITE® 2034 is an aluminum honeycomb panel with stainless steel sheet bonded to one or both faces.

Strain-hardened hexagonal cell aluminum 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 aluminum honeycomb core
- Aluminum honeycomb core meets the requirements of AMS-C-7438 for salt fog anti-corrosion performance

FEATURES

- Low weight
- High stiffness
- Easy to fabricate
- Recyclable
- Aluminum honeycomb cell size is 1/4" (6.35mm)
- Wide selection of AYRLITE® Profiles & Assembly Accessories are available
- "24 gauge 304 2B Stainless Steel sheet is bonded to one or both faces"

APPLICATIONS

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



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PHYSICAL AND MECHANICAL PERFORMANCE

Thickness (inches)	Weight (lb/ft ²)	Long Beam		Flatwise Tensile (psi)	Flatwise Compression (psi)
		Max Load (lbf)	Deflection at Max Load (inches)		
0.4	1.67	254	0.75	145	325
0.8	1.84	451	0.37	145	325
1.2	2.00	674	0.24	145	325

Typical room temperature properties for 0.020" (0.5mm) aluminum faced panels. Mechanical test procedures to AMS-STD-401
Test report available on request

AVAILABILITY

Standard Dimensions
48" x 96"
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.



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