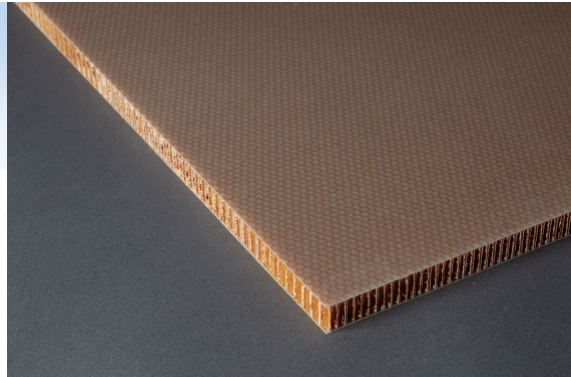


# AeroRigid™ 2623

## Composites Panel for Aircraft Interiors

The AeroRigid™2623 is a sandwich panel made with facings of fiberglass cloth reinforced epoxy laminate and SAH® which is Aramid honeycomb core, designed for use in aircraft interiors.

SAH®: Showa Aramid Honeycomb



### Features

- Light weight and high strength
- Good self-extinguishing
- Corrosion resistance
- Service temperature: up to 180°F

### Applications

The AeroRigid™ 2623 is designed for use in commercial aircraft interior structures and non-structures such as crew rests and galley areas.

### Availability

Thickness : 0.125 to 1.000 inch  
 Facing : 0.014 inch  
 Width : Standard 48 inch (Max 60 inch)  
 Length : Standard 96 inch (Max 144 inch)

### Construction

Reinforcement : Woven fiberglass cloth  
 Resin system : Epoxy  
 Core : SAH-1/8-3.0 (AMS-C-3711)

### Typical Performance Properties

Part Number	Panel Thickness (inch)	Panel Wight (lbs/sf)	Long Beam Flexural Load at Failure (lbs)		Long Beam Flexural Facing Stress (psi)		Short Beam Core Shear (psi)		Climbing Drum Peel (in-lbs/in)	Stabilized Core Compression (psi)	FAA Allowables *1
			L	W	L	W	L	W			
AR2623-A0125	0.125	0.48	21 *2	20 *2	-	-	330	311	19	1087	Good
AR2623-A0250	0.250	0.50	107	108	53883	53920	255	150	14	696	Good
AR2623-A0375	0.375	0.53	164	159	53179	51694	233	132	10	621	Good
AR2623-A0500	0.500	0.57	224	212	56902	53713	224	132	9	572	Good
AR2623-A0750	0.750	0.63	323	291	56603	50867	185	110	7	430	Good
AR2623-A1000	1.000	0.69	410	355	60907	52532	158	97	5	377	Good

\*1 Meet FAA allowable per FAR 25.853 Appendix F, Part I - Vertical and Forty-five degree

\*2 Maximum values without failure

Note: The above figures reflect typical values and should not be used in design.

#### SHOWA AIRCRAFT INDUSTRY CO., LTD.

Tokyo Sales Office  
 600 Tanaka-cho, Akishima-shi, Tokyo 196-8522, Japan  
 Phone: +81-42-541-8883  
 Fax: +81-42-545-6909  
 e-mail: honeycombsales196@showa-aircraft.co.jp  
 HP: <https://www.showa-aircraft.co.jp/en/index.html>

#### SHOWA AIRCRAFT USA INC.

14711 NE 29th PI Suite 118 - Bellevue, WA 98007, USA  
 Phone: +1-425-202-7238  
 HP: <https://showaaircraftusa.com/>