



## Beihai Composite Materials Co., Ltd.

Add: Beihai Industry Park, Chonghong 280#, Jiujiang City, Jiangxi China

Mail: [info@metalfoamweb.com](mailto:info@metalfoamweb.com) <http://www.metalfoamweb.com>

Tel: 0086 792 8322300/22/29 Fax: 0086 792 8322312



### Production Description:

Aluminum Foam is a new type of structural functional materials with a variety of excellent properties. According to the pore structure, the aluminum foam can be divided into closed-cell aluminum foam and open-cell aluminum foam, the former each hole is not connected; the latter hole connected with each other.

### Product Features:


As the Aluminum Foam products with light weight, high sound absorption, high shock absorption, high absorption of impact energy, high electromagnetic shielding performance, excellent heat insulation, high temperature, fire resistance, with unique environmental friendliness and other special properties.



## Product Feature:

<i>product details of aluminum foam</i>		<i>Mechanical performance data sheet</i>				
Ultra-light/low Weight	Pore diameter	Main 5 – 10 mm	Density (g/cm <sup>3</sup> )	Compressive Strength (Mpa)	Bending Strength (Mpa)	Energy Absorption (KJ/M <sup>3</sup> )
	Density	0.25g/cm <sup>3</sup> - 0.85g/cm <sup>3</sup>				
	Porosity	68% ~91%				
	Thickness	6 -300 mm				
	Size availability	500*500mm, 600*600mm, 1000*500mm, 1200*600mm. Biggest size is 2400*800mm				
Weather Resistance	Shape	mainly, panel; customize special shape acceptable	0.25-0.30	3.0-4.0	3.0-5.0	1000-2000
	Corrosion resistance	Excellent				
	Moisture absorption	0.00%				
	Heat / non combustion property	A1 grade				
	Thermal conductivity	0.25 – 0.62W/M.K				
Green Environmental Protection	thermal expansivity	19.34*10 <sup>-6</sup> /°C	0.30-0.40	4.0-7.0	5.0-9.0	2000-3000
	Excellent Hiding Property	After surface spray absorbing material treatment				
Excellent Acoustic Performance	Sound insulation (20mm Thickness)	20 –40 db	0.40-0.50	7.0-11.5	9.0-13.5	3000-5000
Electromagnetic Shielding	Sound absorption (1000Hz -2000Hz)	40% ~ 80%				
		Excellent		0.50-0.60	11.5-15.0	13.5-18.5
			0.60-0.70	15.0-19.0	18.5-22.0	7000-9000
			0.70-0.80	19.0-21.5	22.0-25.0	9000-12000
			0.80-0.85	21.5-32.0	25.0-36.0	12000-15000



## Application:



### Road Noise Barrier

— Traffic Noise Barrier

Used for railway, urban light rail, highway, bridge, public facilities, submarine tunnel and other transportation facilities, with the function of shielding noise and absorbing vehicle impact kinetic energy.



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Installation Easy  
Sprayable in all colours  
Thickness error +/- 0.2 mm  
Size:1200\*600mm or as your request

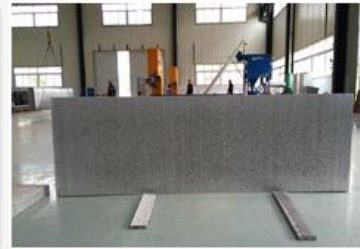




**Installation Easy**  
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## Workshop



### Packing Details:



1



2



3



4



5



6





**Contact Us:**

Tel: +86 792 8322300/8322322/8322329

Cell: +86 13923881139

Fax: +86 792 8322312

Online contacts: Whatsapp & wechat: +86-13923881139

**FAQ:**

1.MOQ: 100m<sup>2</sup>

2.Delivery time: around 20days after confirm order.

3.Payment term: T/T 30% deposit in advance, 70% balance before shipment date.