

ALUMINUM FOAM

Holland Lab

www.e-v-c.com

product description

Aluminum foam

case appreciation

specifications

Enterprise brief introduction

Product architecture

product description

one of the most promising new materials of the 21st century

is in pure aluminum or aluminum alloy after adding additives, through the foaming process, at the same time both metal and bubble characteristics. it has low density, high temperature resistance, strong fire resistance, corrosion resistance, sound insulation and noise reduction, low thermal conductivity, strong weather resistance, filtering ability, easy processing, easy installation, can be used for surface painting.

the most important is to use unique metal material to show the contemporary fashion sense of household space, build a sense of unconstrained simple sense space, make a relaxed. stylish and quiet metal space.



ALUMINUM

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Product information

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Product name: Aluminum foam

Composition: large amount of aluminum and small amount of calcium and rare metals (less than 5%)

Surface color: aluminum primary color, self-coloring, outdoor fluorocarbon paint. No indoor requirements.

Void fraction: 60-80%



ALUMINUM FOAM

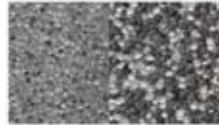


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Product categories



1-3mm 3-5mm 5-7mm 7-10mm



3-5mm 6-10mm

Closed hole (light tight)

Open hole (light transmission)

How to select the aperture and thickness of aluminum foam

The higher the porosity, the smaller the pore size, the better the sound absorption

When the relative density is the same, the Rabb strength with small pore size increases more than the high density with large pore size, and the compressive strength increases, the sound absorption effect of aluminum foam thick plate is better than that of thin plate





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Product features

Light texture, aluminum foam density is only 0.2-0.4g/cm³ lower than water density, bending specific stiffness is 1.5 times of steel

Flame retardant, heat insulation, fire resistant, high temperature 1000°C without collapse (without support)

Acid and alkali corrosion resistance, weather resistance, oxidation resistance, waterproof, not afraid of moisture

Sound absorption and noise reduction, electromagnetic shielding

Anti-aging, service life of 10 years (it will fade naturally after spray painting)

Scope of application

- Interior and exterior walls and top surface.
- Used in concert hall, cinema, recording studio, waiting room, subway station and commercial space to control sound reverberation.
- Used for air conditioning and ventilation equipment in laboratory, precision instrument manufacturing workshop, ship engine room, etc. to reduce noise and sound.
- Play the role of sound barrier in light rail, expressway, overpass, high voltage substation, concrete mixing plant, etc.
- Sound absorption, sound insulation and noise elimination for diesel engine, generator, freezer, air compressor, fan and forging hammer equipment, etc.

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golden

size :2000*1000mm

thickness:5mm/10mm



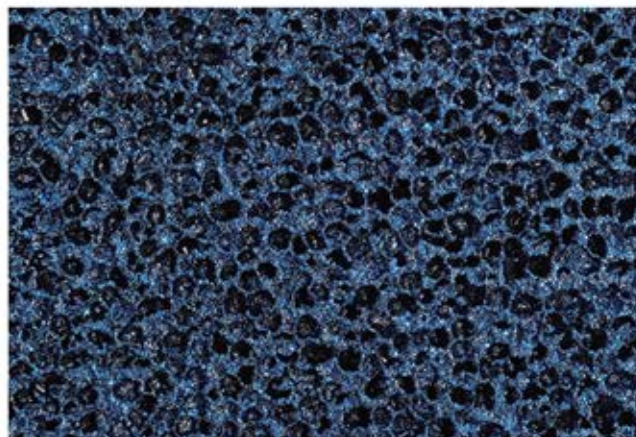
silver

size :2000*1000mm

thickness:5mm/10mm



Gun black
size :2000*1000mm
thickness:5mm/10mm



Starry Blue
size尺寸:2000*1000mm
thickness:5mm/10mm



golden pervious to light
size尺寸:2000*1000mm
thickness:5mm



silver pervious to light
size尺寸:2000*1000mm
thickness:5mm



gun black pervious to light
size :2000*1000mm
thickness:5mm



Starry Blue Translucent
size :2000*1000mm
thickness:5mm

sample projects

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封闭板-室内墙面应用





封闭板-室外墙面应用









透光板-室内墙面应用











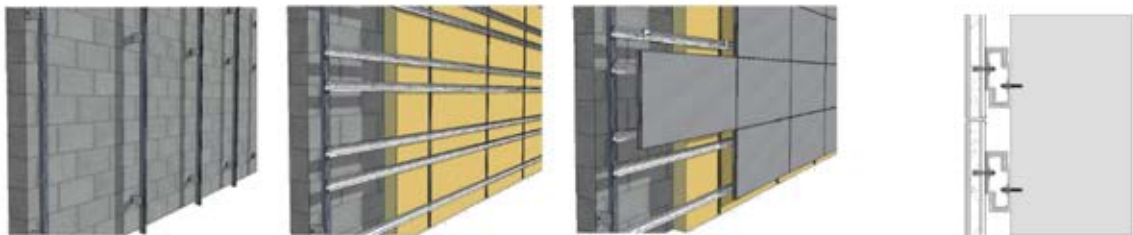
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CONSTRUCTION GUIDANCE

4.14



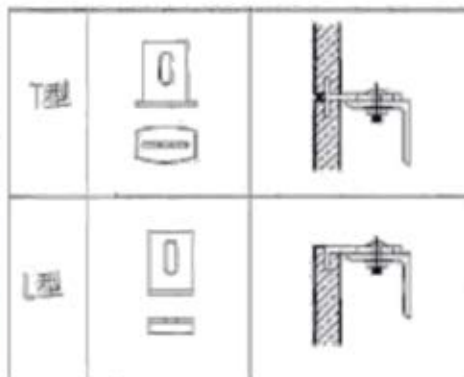
1, dry hanging construction

- (1) Special paste mortar mixer spanner trowel tape measure Nylon line ink bucket Angle ruler level, polishing machine, tape;
- (2) Accessories -- bow button pendants, bolts, etc.;

2. Wall construction

- (1) Special paste mortar mixer trowel tape measure mallet level nylon line ink fountain Angle square
- (2) Accessories -- stainless steel frame flat iron L type flat iron bolt





1. Primary treatment:

Install steel frame and channel steel column.

2. Welding the keel beam:

According to the height of the transparent concrete, the 5mm*5mm beam Angle steel is welded on the column (the horizontal plane of the panel can be adjusted by the fine tuning bolts on both sides of the column, and then welded firmly). Considering the thickness of the bow buckle (about 5mm) and the height of the caulk, the keel layer height from the second layer should be more than the height of the transparent concrete plate reserved 7mm-10mm.

3. Hoisting vertical line:

From the top of the curtain wall hanging longitudinal plane line, this plane line can be selected in the right corner position of the curtain wall plane

4. pull horizontal line:

according to the design and construction of the actual situation to determine the bottom edge of the stone wall, between the two strong straight line pull a horizontal line and block line, horizontal line and vertical line to determine the curtain wall plane.

5. Installing Pendants:

Each layer of beam will be fastened to the Angle steel beam through bolts.

6. hangs Taiwan:

Metope USES trowel mansion base coating a layer of paste mortar leveling render, hangs Taiwan after 1 hour, remove the hook of the insert into 1 layer 1 piece of pervious to light the grooving on top of the concrete board, adjust the bolt, the pervious concrete plate vertically, with straightedge plate and wedge fixed panel after leveling, again in accordance with the order 2 pieces, 3 pieces of the same, when hung 2 layer board each piece after all is in place, Check whether the upper mouth is level, if the surface of the plate is uneven, can be in the bottom of the plate on the bow buckle on the corresponding double copper wire pad leveling, each installed five layers of plate, the wire check once, in order to eliminate the error in time. Finally, the marble glue is injected into the cutting groove to solidify and position, and the third layer and the fourth layer are successively hung.

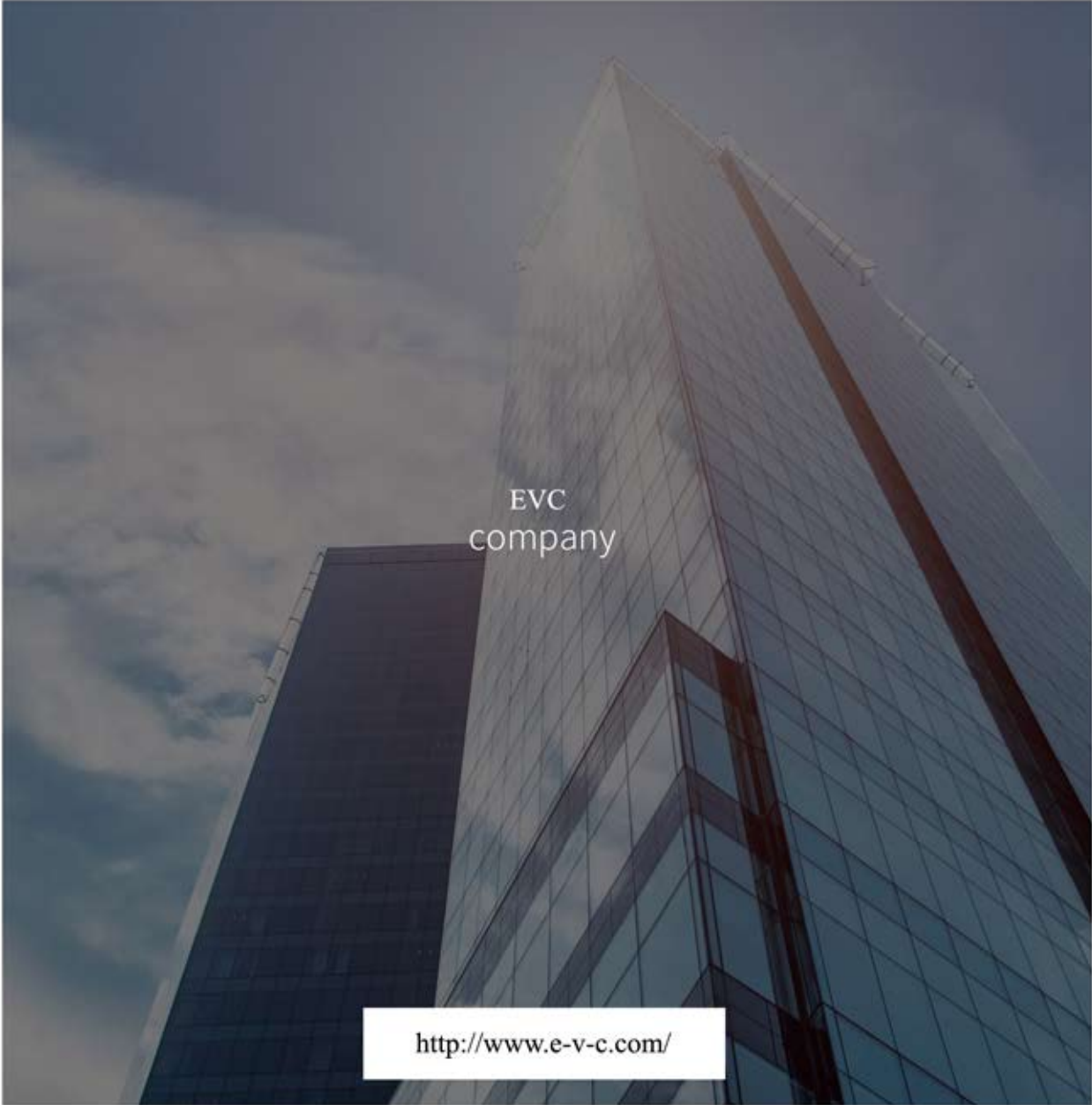
7. jointing:

Sealant mortar is applied after rubber or foam strips are filled between the joint of two layers of transparent plate. Hook horizontal seam first, then cross seam, seam depth should be the same.

8. Finish cleaning:

Clean the dirt on the finish with a rag; Use a knife or hand-held polisher to polish uneven concrete finishes.





EVC
company

<http://www.e-v-c.com/>

Product architecture		
custom wall panel	Ultra-thin stone	B series metal profile
Wooden plate	Volcanic Rocks	Aluminum foam
Commercial space veneer fire panels	Metal plated stone brick	Z series aluminum foam
Ultra clear mirror plate	Xuangu volcanic rock	Living moss
Plaster texture plate	Z series PU decorative panel	Creative modular custom products
Starry sky top acoustic board	H series PU large board	Mosaic of resin
Y series acrylic sheet	B series PU decorative panel	Y series creative module
Transparent art cement	PU decorative panel	Commercial special board
N-series cement casting plate	Fusion Cement member	H Series Outdoor flooring
C series soft stone	D series modeling brick	N series handmade brick
Art poured board	M series component bricks	Super black brick
Cement decorative board	K series foamed ceramics	Dupont paper
S series soft stone	K series crystal brick	Weaving of bamboo and rattan
3D cement brick	Hollow glass brick	The deep mirror
FRP cement casting plate	X series jade glass	Cement component lighting system
Microcement siding	T series crystal brick	PU component lighting system
Perlite board	J series water corrugated plate	D series foamed ceramics
Church art glass	Aluminum embossed plate	B series metal lines
X series hand sanded brick	FRP emerald grille	French textured paper
led photoglass (hard)	Outlet tile	

