

Foam aluminum

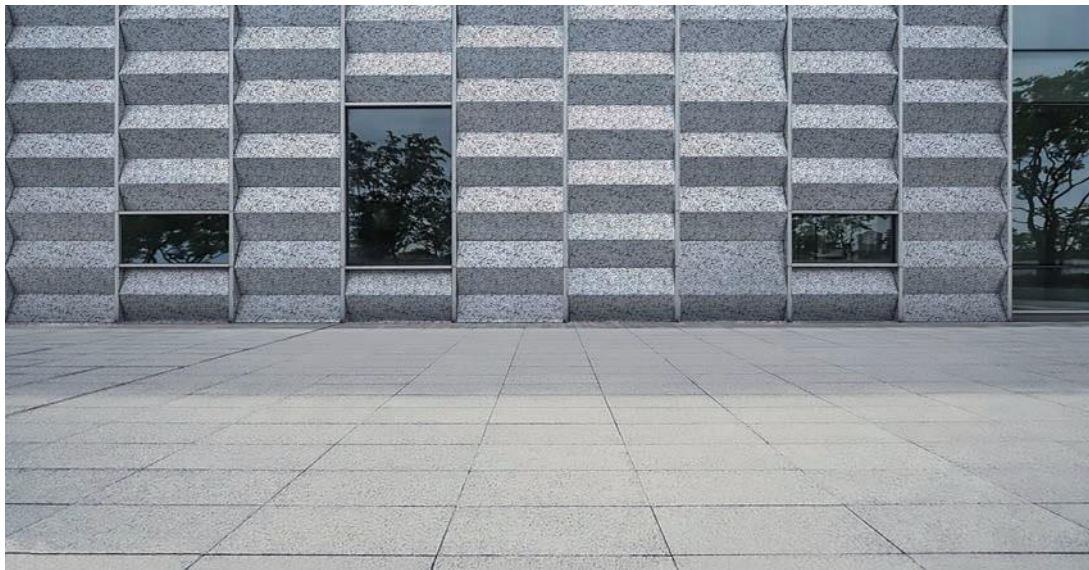
Introduction to the application of architectural decoration products



01

公司简介 COMPANY PROFILE

Chalco Aluminum is a high-tech enterprise with R&D, production and application product development in the foam aluminum industry. The team has more than 60 independent intellectual property rights for foam aluminum and more than 10 authorized invention patents.

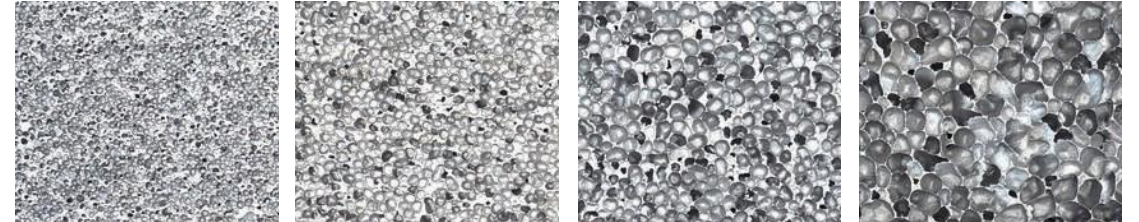


Advantages and features of foam aluminum used in architectural decoration

1. Class A fireproof;
2. With super sound absorption and noise reduction function;
3. Various models provide more room for designers to design in a diversified way;
4. The double-sided perforated light-transmitting board produces a variety of holes due to gas foaming, which refracts the optical fiber at multiple angles, producing rich and gorgeous brilliance when used for light transmission;
5. Lightweight and high-strength, easy to install, combined with professional design, can be used in indoor and outdoor high-rise buildings; No mold, no dirt, no discoloration for indoor applications, and no need to wash in rainy areas outdoors;

Closed Cell Aluminum Foam

Hole diameter type



Microporous aluminum foam

泡沫铝板标准尺寸: 2000mmX1000mm



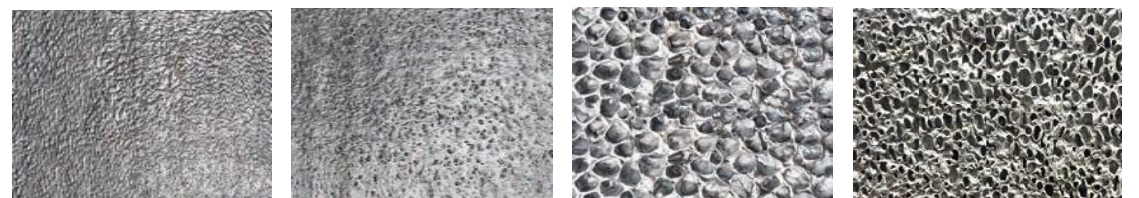
Translucent foam aluminum

泡沫铝板标准尺寸: 2000mmX1000mm



Third generation aluminum foam

泡沫铝板标准尺寸: 2400mmX1200mm



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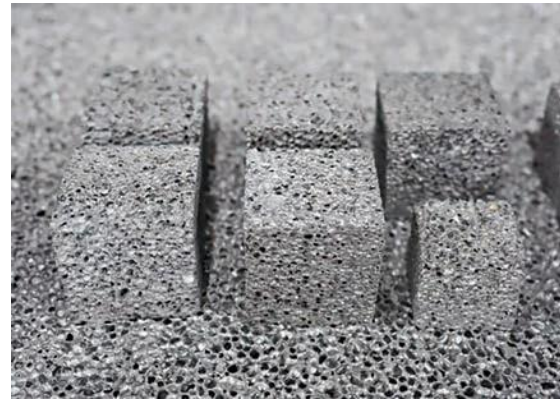
Twenty Most Potential
New Materials

02

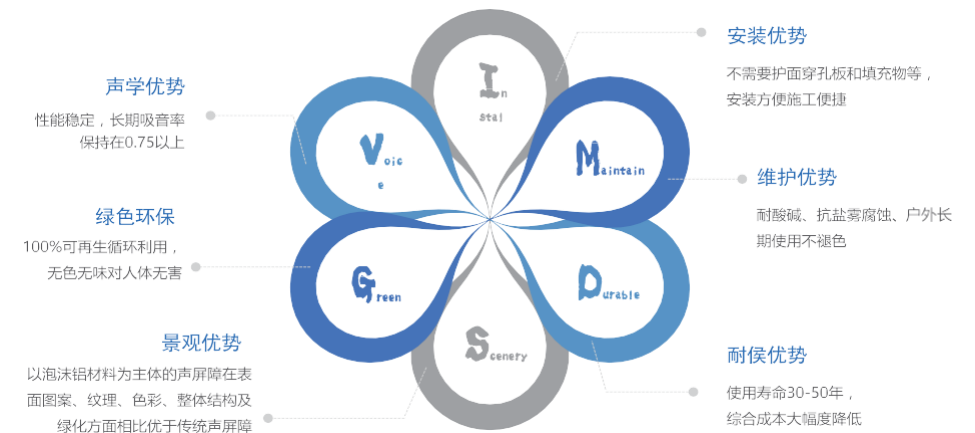
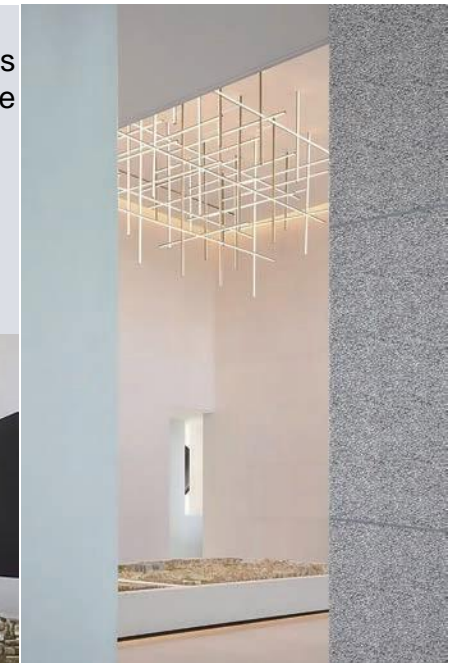
产品简介

PRODUCT
INTRODUCTION

Foamed aluminum is a new type of light metal material produced by aluminum alloy foaming technology. It has low density, high specific strength, and many excellent properties such as sound absorption and noise reduction, energy absorption and buffering, flame retardancy and explosion resistance. It can be widely used in military aerospace, rail transportation, shipbuilding and other fields.



Foam aluminum is widely used in the field of architectural decoration. It has excellent properties such as sound absorption and noise reduction, fire retardant, green fireproof, lightweight, etc., and is also rich in architectural aesthetics. The all-metal foam aluminum design can show the unique texture and style of metal materials, and quickly lead the fashion trend of many modern architectural designs.



Interior wall

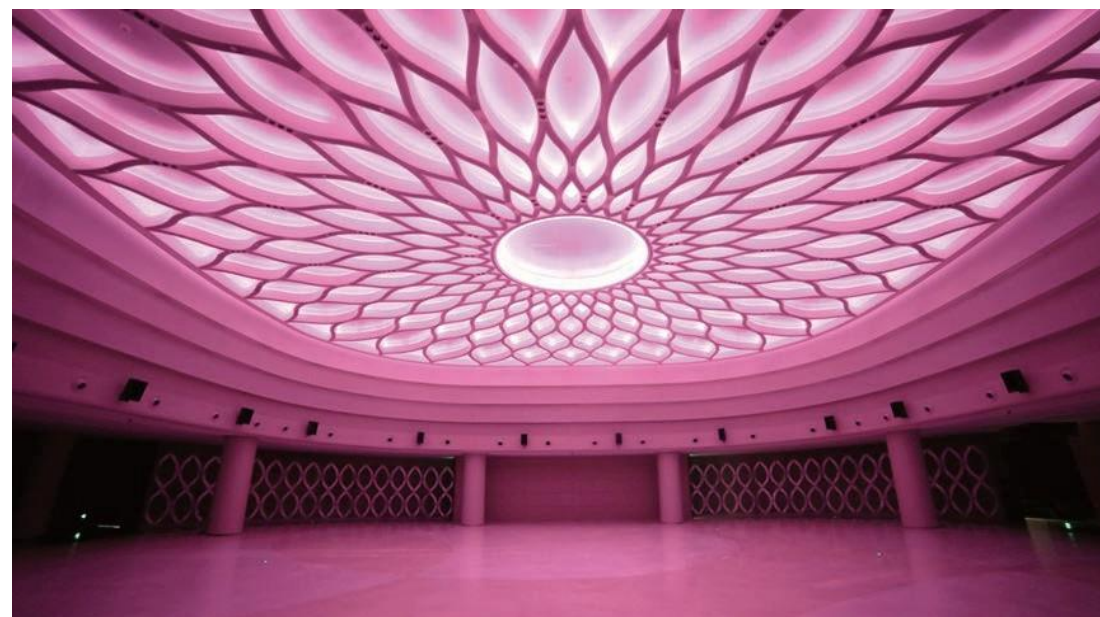
Beijing Winter Olympics Ice Hockey Stadium



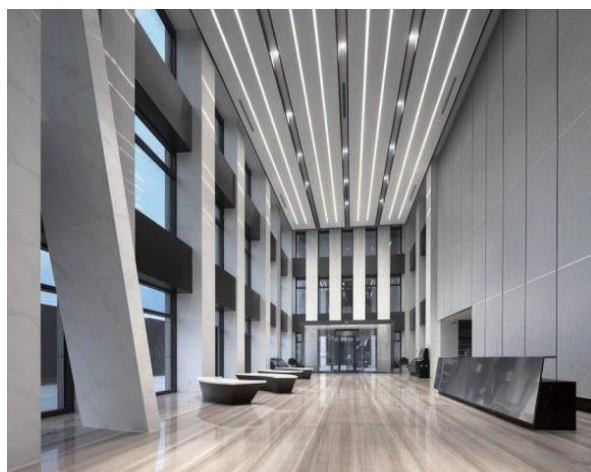
Beijing Joy City



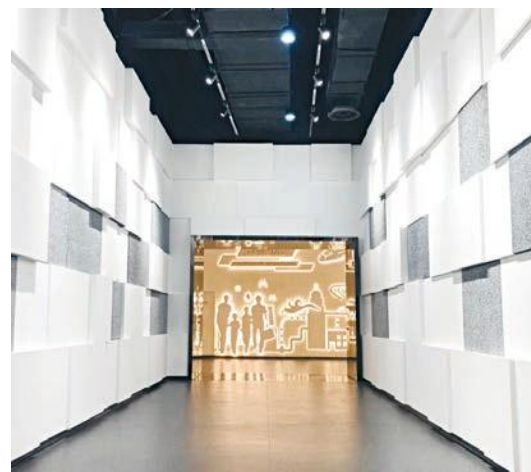
Beijing Chengao Building



Hangzhou Baoyi Center Office Building



Anhui Innovation Hall



Interior wall

● ————— Holiland



● ————— PRADA Museum



● ————— IT Office

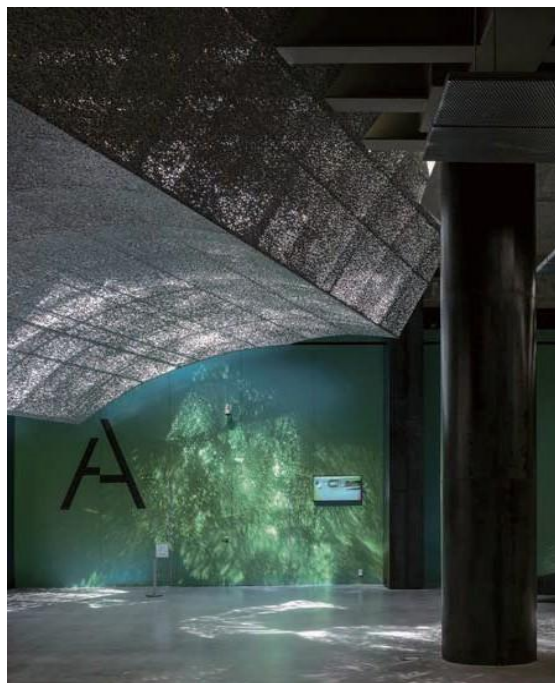


● ————— 911 Memorial Museum

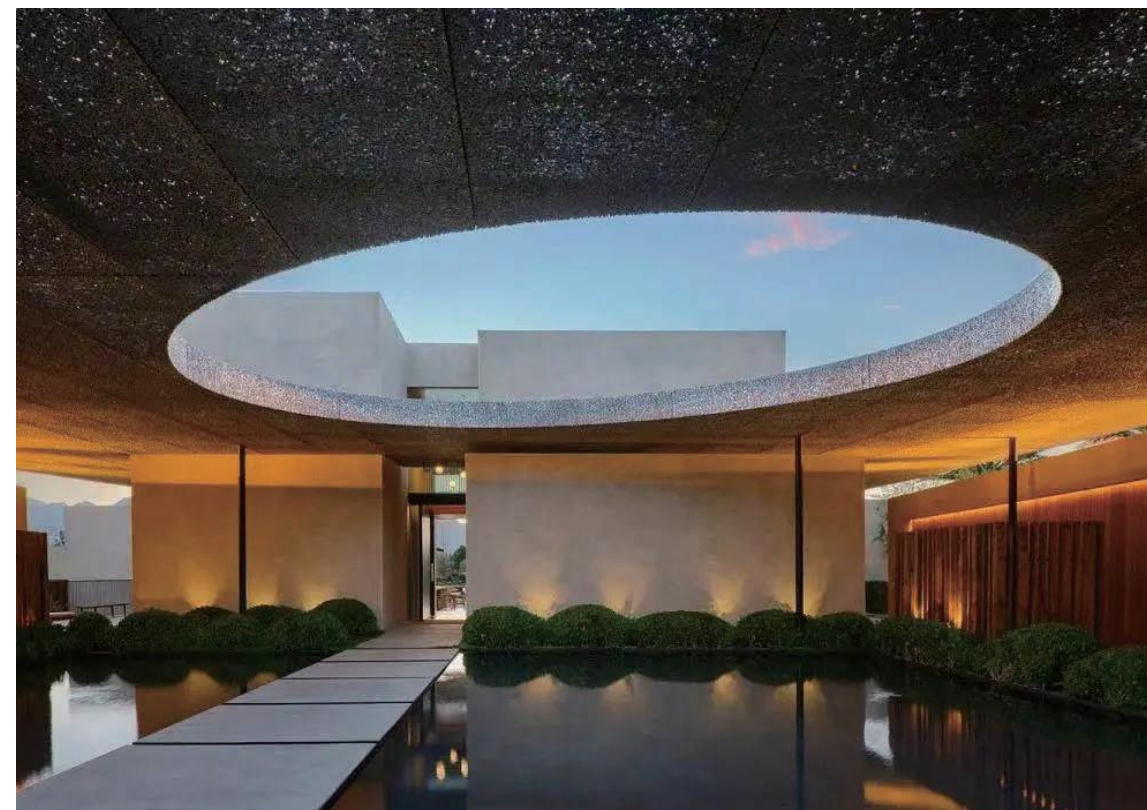


Suspended ceiling

CaixaForum Seville



Beijing Joy City



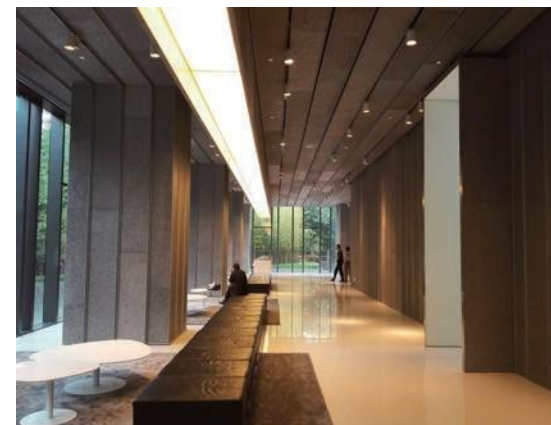
Shenzhen Grand Theater



Shenzhen International Art Exhibition Center



Shanghai Fuxing Plaza



Beijing Heshenghui Lelecha



Exterior wall



Hangzhou B&B Town



Xiling



China Shougang Museum

Suzhou ADIDAS Industrial Park



Zhoujian Group

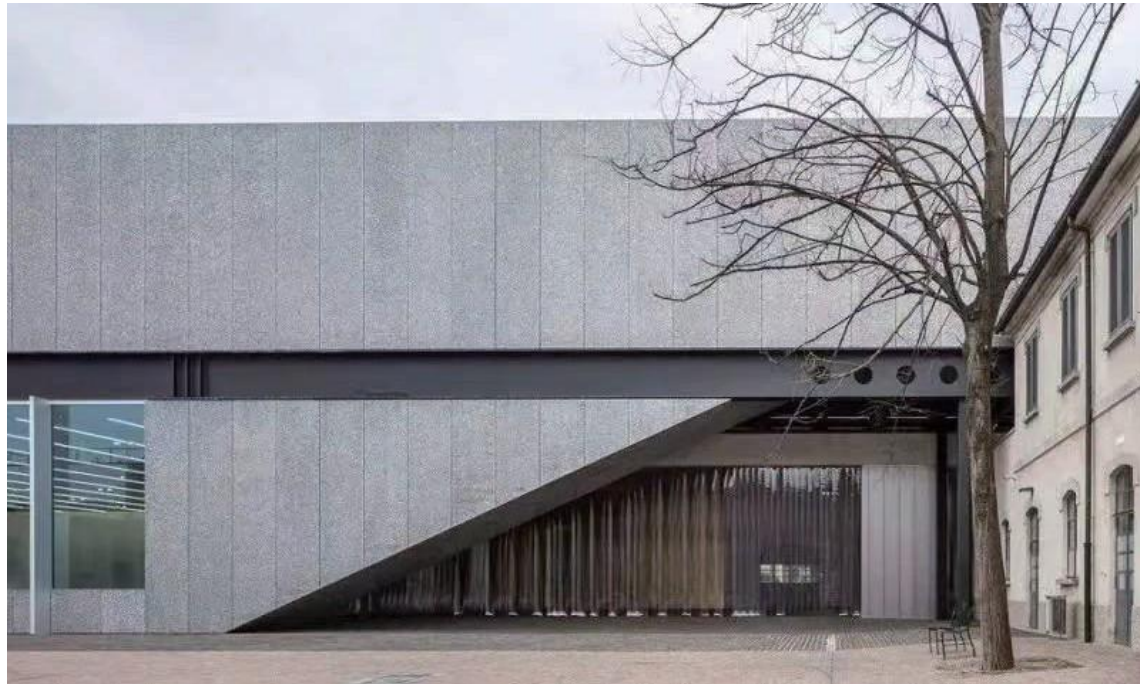


Taicang Yuezhong



Exterior wall

PRADA FOUNDATION



Earthcam HQ



PACE Gallery



Gemdale Jiangshan Yipin



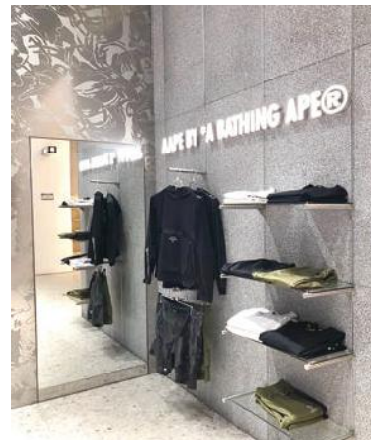
Commercial space



HEYTEA Brand Space



APE品牌空间



Commercial space

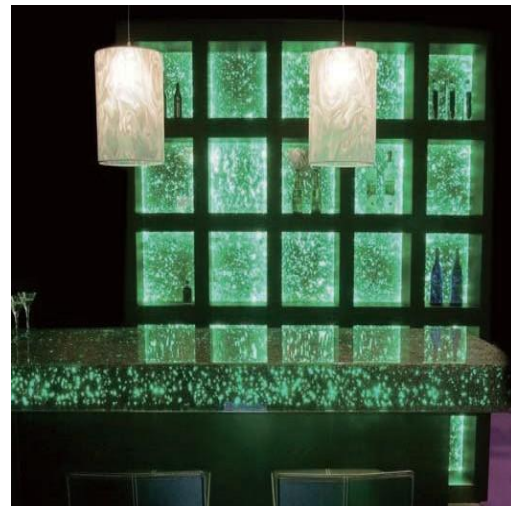
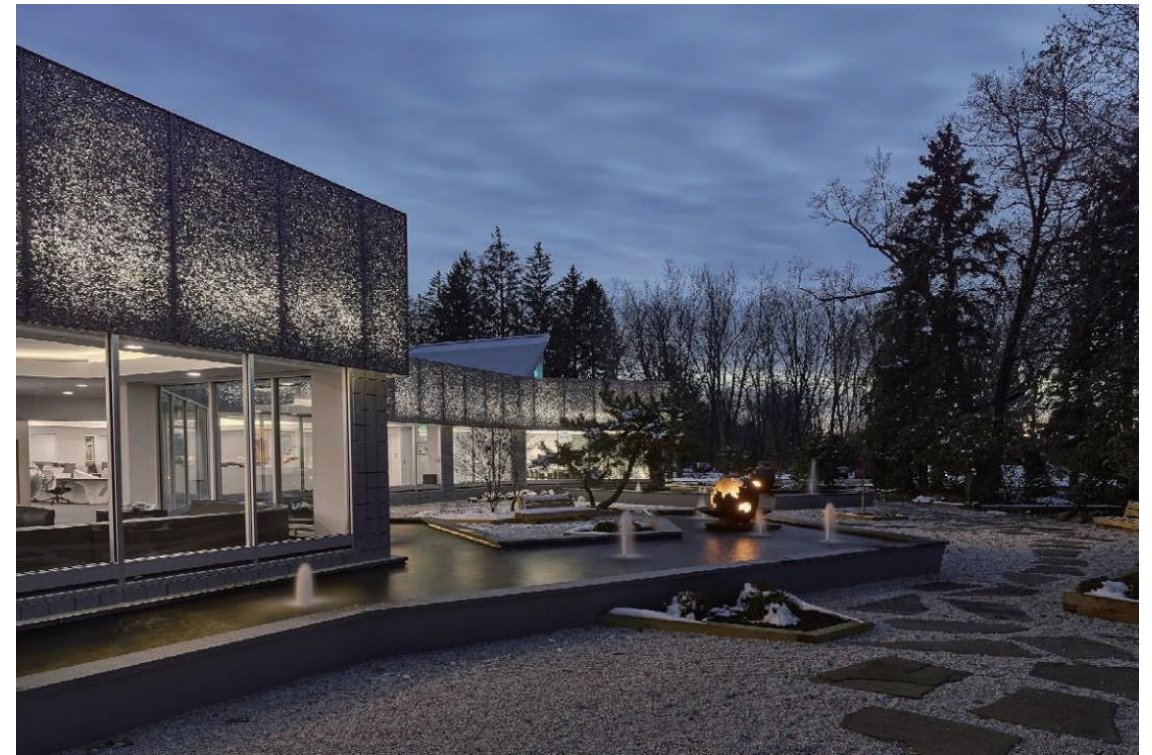
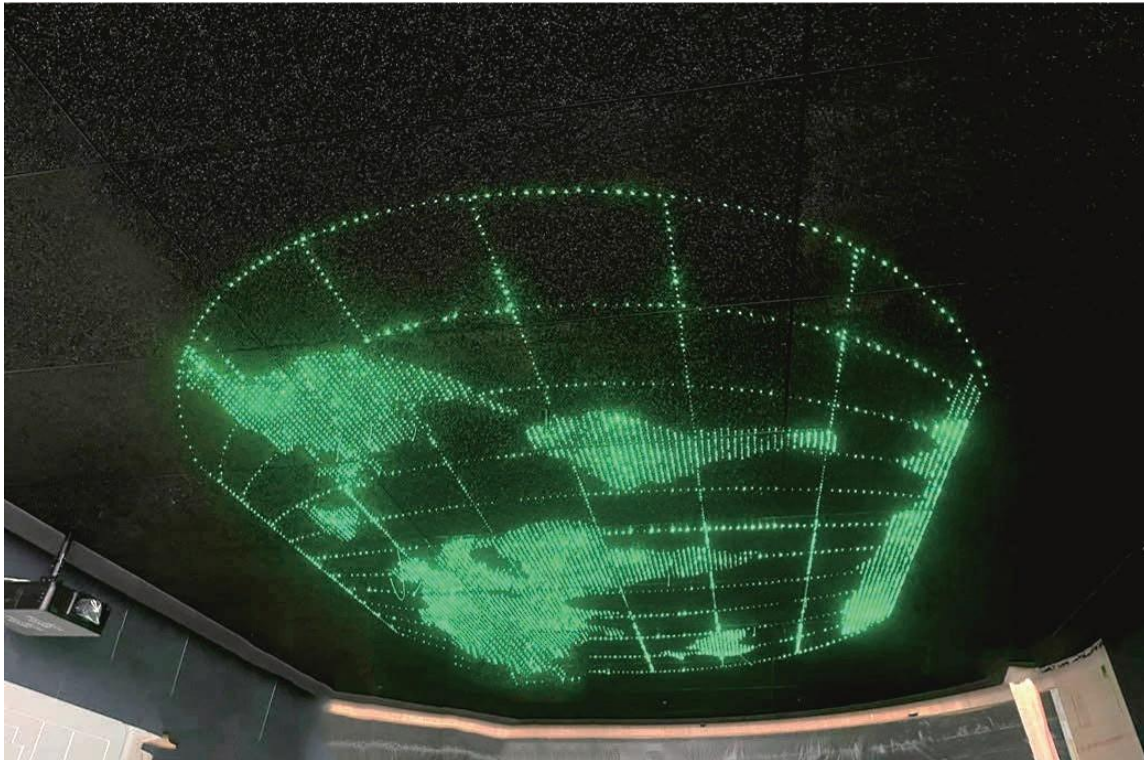


Office space



Light and foam aluminum

HKUST Silicon Valley light transmission effect



Aluminum furniture



Factory



Installation plan

As an ultra-lightweight material, foam aluminum can be installed by gluing or using light steel keels. The construction process is convenient and the construction period is short. No mechanical lifting equipment is required for installation. Mechanical methods or direct screw connection and fixing can be used, saving a lot of construction time.

泡沫铝胶粘安装方法

大面积内外墙安装方法（可选）
 干挂→主龙骨→副龙骨→挂板
 自攻钉结合胶粘→主龙骨→副龙骨→胶粘
 胶粘→主龙骨→副龙骨→胶粘
 自攻钉结合胶粘→贴板→自攻钉

吊顶及小面积内墙安装方法可随意设计胶粘、工字吊、磁吸。