



# ALUMINUM OUTDOOR FLOORING

Materials | Accessories



Foshan CAYOE Building Material Co.,Ltd

YOUR OUTDOOR SHADING SYSTEM MATERIALS SUPPLIER





## ENTERPRISE OVERVIEW

The headquarters of Guangdong Foshan CAYOE Building Materials Co., Ltd. is located in Foshan, Guangdong, known as the "Capital of Aluminum Materials". We are an all aluminum application service provider that integrates research and development, design, production, sales, and technical services.

Our company has strong capabilities: covering a total area of over 20000 square meters, with over 100 employees, including more than 20 senior engineers and technical personnel. Our annual production capacity exceeds 30000 tons. The company has 5 aluminum extrusion production lines, a 2000 ton spot warehouse, and an outdoor construction product processing plant, aiming to drive positive production expansion through market expansion, optimize regional layout, and build a global marketing network.

Was Established  
**2006**

Factory Area  
**20,000 +**

Annual Output  
**30,000 t**

Spot Reserve  
**2,000 t**

Export Countries  
**30 +**

## FACTORY DESCRIPTION

### Extrusion Workshop

We have 5 extrusion production lines specifically designed to meet the needs of large aluminum materials for outdoor shading systems, to ensure customer customization needs.

### Color Workshop

In order to facilitate customized color requirements for our partners, the factory will build its own spraying production line and oxidation generation line in 2022 to timely meet the market's demand for colors.

### Spot Warehouse

The factory has a stock warehouse of 1000 tons of outdoor sunshade products, including aluminum, accessories, electronic systems, etc., to meet the standards of fast delivery. At the same time, assist customers in a one-stop procurement of all materials and hardware accessories required for outdoor shading systems in the shortest possible time.





## Becoming Our Partner Has Three Major Benefits

- You can get local orders without advertising.
- You will be the first to know which products are more popular in the local market and which ones have higher demand.
- We will provide you with finished products, materials, accessories, processing equipment, and technical support based on the market data of the product. Whether you are an agent or a manufacturer with processing capabilities, we can help you provide hot selling products needed in the local market.

Enable users to obtain better products & Enable partners to achieve higher profits & Let us have more innovative abilities ourselves

**Aluminum Carving Fence**  
Size: Length 1.8m-2.0m, Height 1.2m-3.0m

**CAYOE**  
BETTER FOR THE FUTURE  
COLLABORATION MODE

**1**

**2**

**3**

Facebook Instagram LinkedIn YouTube

**1**

**Our outdoor sunshade product supply is divided into two types:**

- Finished Product
- Materials / Accessories / Processing Equipment

**We promote the finished product effect and material display in the form of videos on social media.**

**2**

**Collect relevant information on social media:**

Preference data for products and orders | User feedback on the product | Market positioning of the product

**3**

**Based on the collected social media data, we assess market demand and buyer preferences. And provide the collected terminal orders to our overseas local partners for local sales and after-sales service.**



# ★ THE 3 GENERATION ★

## Aluminum Outdoor Flooring

— Aluminum Profiles & Accessories —

Aluminum-Plastic composite structure  
No deformation, No cracking

100% outdoor eco-friendly materials  
Long-lasting colorfastness

Easy to install  
Easier to maintain in daily use

Different colors  
cater to various outdoor spaces



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[www.fscayoe.com](http://www.fscayoe.com)

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### PERGOLA SPECIFICATIONS

Material Parameters	 <p>Regular Length: 3m / 4m / 6m</p>
Material	6063-T5 Aluminum Alloy + PE Thermal Insulation Layer
Profile Thickness	1.0 mm
Environmental Protection Level	E0 Level
Installation Method	Base + Snap-in Installation
Cold and heat cycle resistance test	GB/T 24508-2020 Length dimension change 0.17% , change rate:≤0.3%
Chemical reagent corrosion resistance test	GB/T 11547-2008 Quality change +0.05g



# Aluminum Outdoor Flooring Standard Colors

∠ Oak Color

Walnut Color ∠

∠ Gray Wood Color

Maple Color ∠

∠ Teak Color

Antique Wood Color ∠



## Aluminum + PE Thermal Insulation Layer

Stain-resistant and easy to scrub. Made of green environmental protection materials, waterproof and anti-corrosion, requiring no maintenance.

Convenient to clean – just a wipe does the job. Scratch-resistant, wear-resistant, and not prone to cracking or deformation.

## ■ Exceptional Durability

Constructed from high-quality aluminum alloy, it offers superior strength and stability, with excellent corrosion resistance and anti-aging properties.

Can withstand heavy loads and harsh weather conditions without rotting, cracking, or deforming, ensuring a long service life.

## ■ High Safety Standards

Surface treatments provide excellent slip resistance and wear resistance; some products use TPE polymer elastic materials for barefoot safety.

Non-combustible and flame-resistant, meeting national and international fire safety standards without releasing toxic gases when exposed to fire.

## ■ Easy Installation

Modular design allows quick, tool-free installation via snap locks or screws, suitable for DIY users.

Lightweight panels reduce transportation and labor costs, with easy disassembly for maintenance.

## ■ Low Maintenance

Weather-resistant and stain-resistant surfaces require only water rinsing or mopping for daily cleaning, eliminating costly upkeep.

## ■ Aesthetic Versatility

Modern minimalist designs with realistic wood grain textures and multiple color options seamlessly fit various outdoor styles (e.g., retro, contemporary, pastoral), enhancing outdoor aesthetics.

## ■ Eco-Friendly & Energy-Efficient

Fully recyclable and renewable aluminum material aligns with sustainability goals.

Produced without harmful substances (e.g., formaldehyde), ensuring zero indoor air pollution.

## ■ Effective Heat Insulation

Some models feature TPE thermal-insulating surfaces to prevent excessive heat buildup during summer, ensuring comfortable foot contact even in direct sunlight.

1 

### Aluminum Alloy Outdoor Flooring :

High strength, Corrosion resistance, Wear resistance and More durable.

2 .

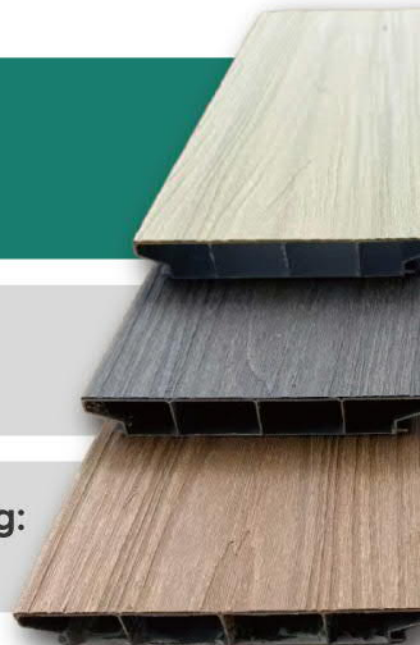
### WPC Flooring:

Easy to expand and contract , Low strength .

3 .

### Anti-Corrosion Wood Flooring:

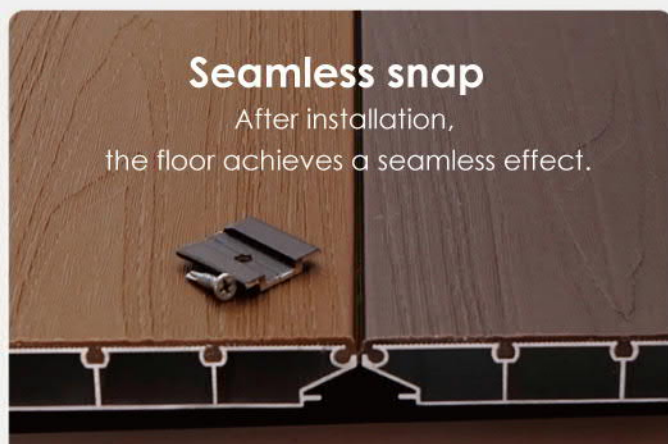
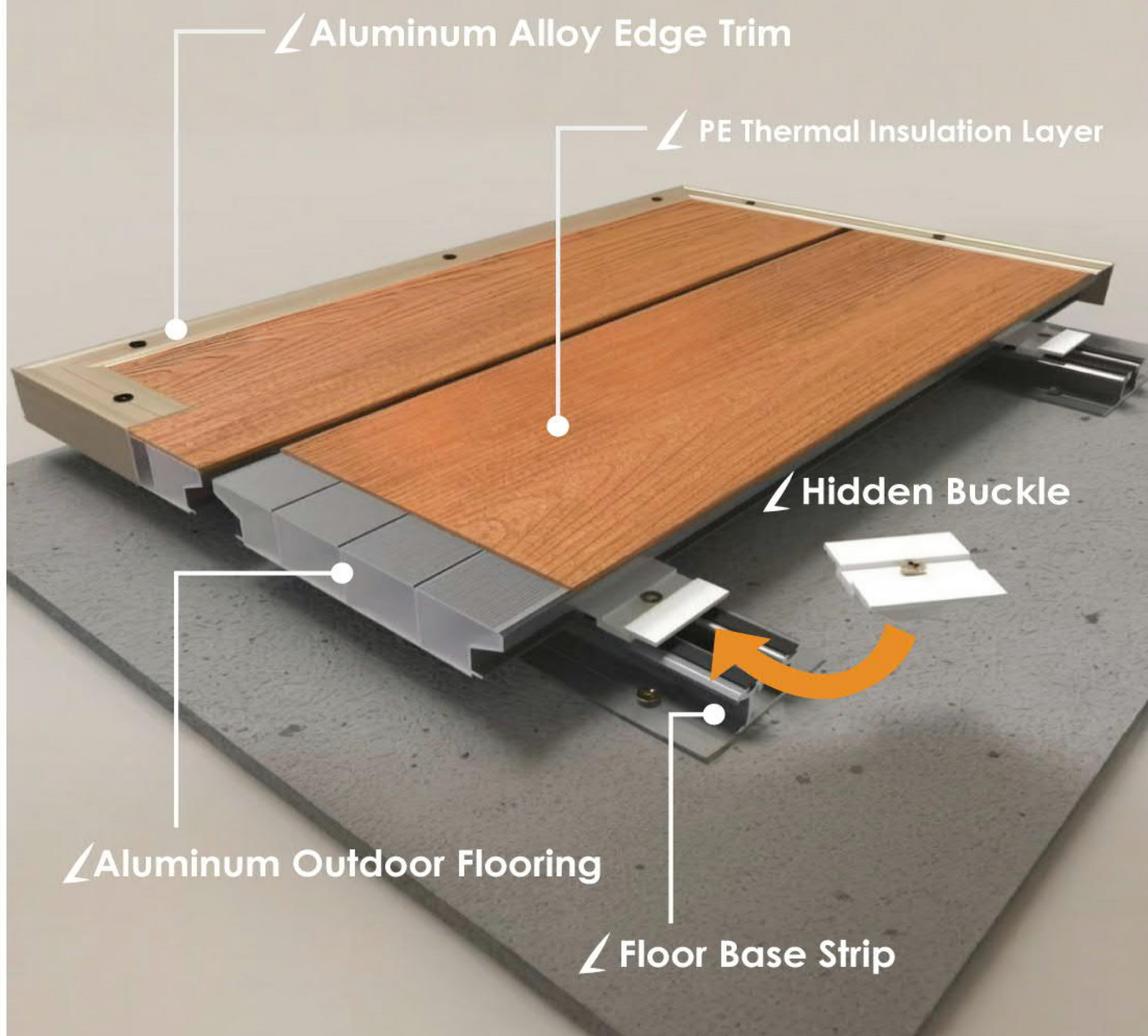
Short service life , Easy to crack .





# ASSEMBLY STRUCTURE

— Aluminum Profiles & Accessories —





# What is PE material?

PE material, short for Polyethylene, is a thermoplastic polymer material. At room temperature, it exhibits excellent plasticity and toughness, with a density ranging from 0.91 to 0.96 g/cm<sup>3</sup>, making it lightweight and easy to process. PE features a linear or branched molecular structure, endowing it with good chemical resistance against acids, alkalis, and salts. The specially treated PE material will not expand with heat or contract with cold, nor will it deform or break in high-temperature and extreme environments.



**PE Material**  
**Environmentally friendly and Non-toxic**  
**with resilience**

	Aluminum Layer	PE Insulation Layer	Composite Advantages
Material Nature	Lightweight aluminum - based alloy with magnesium, manganese, etc.	Specially treated polyethylene polymer material.	Combines metal strength and plastic insulation, balancing load - bearing and temperature control.
Physical Properties	Density: 2.7 g/cm <sup>3</sup> , lightweight; high strength, deformation - resistant; fast heat conduction.	Density: 0.91 - 0.96 g/cm <sup>3</sup> , lightweight; low thermal conductivity, blocks heat; buffers alloy thermal stress.	Reduces weight, stabilizes structure, cools down and prevents deformation.
Chemical Properties	Oxide film for corrosion resistance, durable outdoors without rust.	Resistant to chemicals, waterproof and moisture proof.	Dual - layer protection, extends lifespan, improves weather resistance.
Environmental Friendliness & Safety	100% recyclable; non - slip surface, no sharp edges.	E0 environmental grade, Formaldehyde free, Corrosion-resistant.	Environmentally friendly and safe, prevents burns, suitable for various scenarios.
Application Advantages	Resistant to extreme environments, wind loads, and heavy foot traffic.	Cools down by 5 - 10°C in summer, blocks heat in winter.	Comfortable year - round, resistant to temperature differences, prevents cracking.



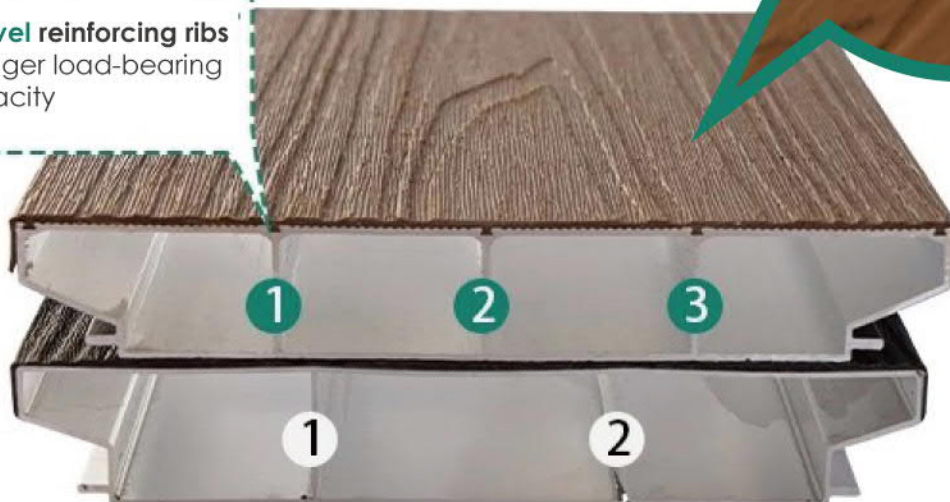
## PE Elastic Layer

The PE elastic layer is not only a fire-resistant environmental protection material, but also has better heat insulation and wear resistance.



Enlarge by 5 times

**3-Level reinforcing ribs**  
Stronger load-bearing capacity



CAYOE

Other

CAYOE



Thickness: 1.0mm ✓

Other



Thickness: 0.5mm ✗

2-level reinforcing ribs  
weaker load-bearing capacity



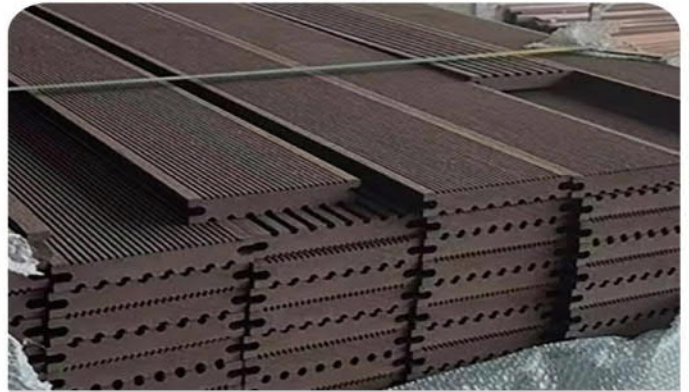
## THE 3<sup>rd</sup> GENERATION ALUMINUM ALLOY OUTDOOR FLOORING



## OTHER OUTDOOR FLOORING



Aluminum alloy flooring is lightweight, has a low density, is simple and convenient to install, and facilitates later maintenance.



Solid outdoor flooring has a high density and weight, and requires higher installation environmental conditions.



Aluminum alloy flooring is waterproof and moisture-proof, not easy to rot, and resistant to insects and termites, which prolongs its service life.



Anti-corrosion wood flooring requires painting for maintenance, and it is particularly prone to rot and fading in coastal areas.

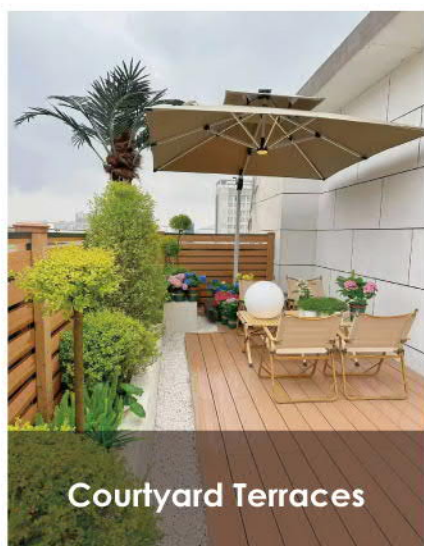


Aluminum alloy flooring has high processing precision, high strength, low thermal expansion coefficient, and does not deform.

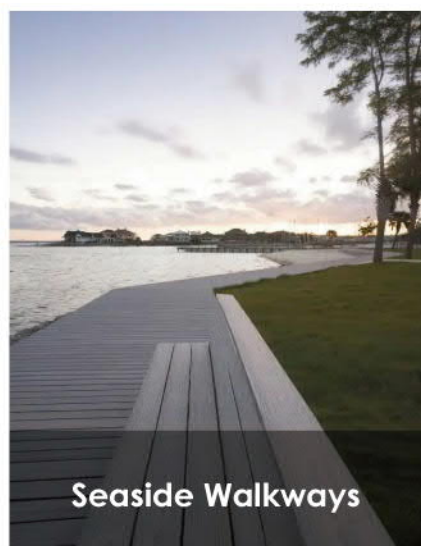


WPC outdoor flooring may expand / contract in high-temperature areas, causing deformation. Prolonged use reduces toughness, making it prone to cracking.

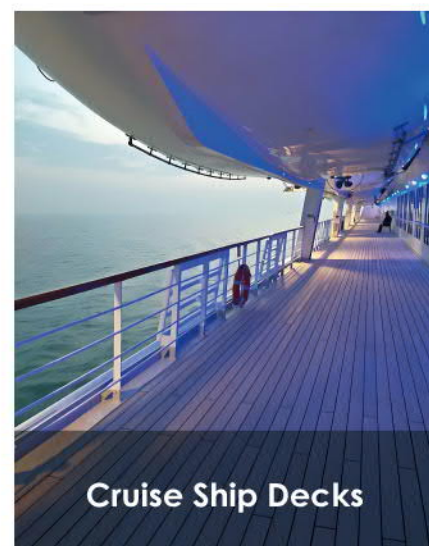




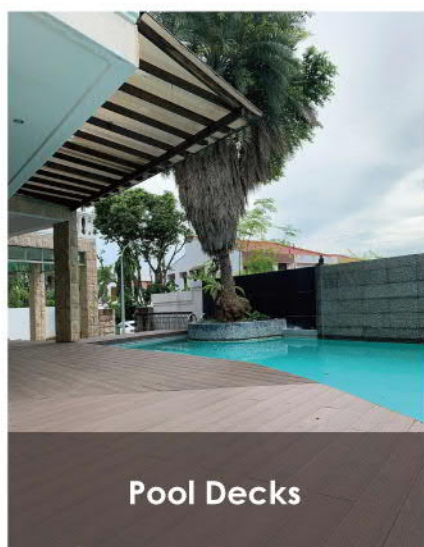
Courtyard Terraces



Seaside Walkways



Cruise Ship Decks



Pool Decks



Commercial Space



Open-Air Gardens

 More usage scenarios are waiting for you to unlock.





**LARGE STOCK OF  
ALUMINUM OUTDOOR FLOORING,  
GLOBALLY DELIVERABLE.  
BIGGER DEMAND, LOWER PRICE.**

**DEFAULT LENGTH 6000mm ,  
CUSTOM LENGTHS AVAILABLE .  
CUT TO REQUIREMENTS .**



**COMBINATION OF WPC ELASTIC LAYER AND ALUMINUM MATERIAL ,  
REALISTIC WOOD GRAIN TEXTURE , ANTI-SLIP  $\geq 0.65$  .**



# Inspection Report

ICAS  
英格尔集团



ICAS  
英格尔集团



## 检测报告

报告编号: SHX25050120-01

日期: 2025-06-04

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### 二、物理结果

检测结果:

检测项目	检测方法	检测条件	检测结果	限值	单项判定
紫外老化	GB/T 16422.3-2022	灯管类型: UVA-340 光照阶段: 辐照度 0.76W/m <sup>2</sup> BPT: 60°C, 8h 冷凝阶段: DPT: 50°C, 4h 以上为1个循环, 共测 72h	试验后, 样品外观无异常, 无开裂、无粉化、无变色。	/	/
耐低温*	GB/T 2423.1-2008	温度: -40°C 时间: 24h	试验后, 样品外观无异常, 无开裂、无粉化。	/	/
耐高温*	GB/T 2423.2-2008	温度: 50°C 时间: 24h	试验后, 样品外观无异常, 无开裂、无粉化。	/	/
抗滑值*	GB/T 24508-2020	在测试区洒上干净的水, 放开摆 动臂使其自由落下, 略去第一次 指针计数, 然后进行 5 次同样的 试验。记录每次摆动后指针所得 的刻度读数, 计算这 5 个读数的 平均值, 数值精确到小数点后一 位, 即为耐湿表面的抗滑值。	21	≥15	符合
耐化学试剂 *	GB/T 11547-2008	称取样品质量, 将样品泡在 5% 次氯酸钠溶液中放置在 (23±2) °C 环境下 5 天, 到达时 间后称取样品质量。	外观 试验后, 样品外 观无明显变化。 质量变 化率,% 0.67/0.62/0.62	/	/
最小集中载 荷*	客户方法	/	9369N	≥3400N	符合
表面耐磨*	GB/T 24508-2020 6.5.11	/	0.02g/100 r	≤0.1g/100 r	符合

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### 三、电子电气产品有害物质限量 (RoHS) 测试\*

检测结论: 铅、汞、镉的测试结果符合欧盟 RoHS 指令 2011/65/EU 附录 II 及修正指令 (EU) 2015/863 的限值要求。

测试部位: 外表面, 灰色金属

检测项目	检测方法	单位	检出限	检测结果	限值	单项判定
铅/Pb*	IEC 62321-5:2013	mg/kg	10	未检出	≤1000	符合
镉/Cd*		mg/kg	2	未检出	≤100	符合
汞/Hg*	IEC 62321-4:2013+AMD1:2017	mg/kg	10	未检出	≤1000	符合
六价铬/Cr(VI)*		µg/cm <sup>2</sup>	0.10	阴性	---	---
一溴联苯 (MonoBB)*	IEC 62321-7:1-2015	mg/kg	5	NA	---	---
二溴联苯 (DiBB)*			5	NA	---	---
三溴联苯 (TriBB)*			5	NA	---	---
四溴联苯 (TetraBB)*			5	NA	---	---
五溴联苯 (PentaBB)*			5	NA	---	---
六溴联苯 (HexaBB)*			5	NA	---	---
七溴联苯 (HeptaBB)*			5	NA	---	---
八溴联苯 (OctaBB)*			5	NA	---	---
九溴联苯 (NonaBB)*			5	NA	---	---
十溴联苯 (DecaBB)*			5	NA	---	---
上述多溴联苯总和*			---	NA	≤1000	NA
一溴二苯醚 (MonoBDE)*	IEC 62321-6:2015	mg/kg	5	NA	---	---
二溴二苯醚 (DiBDE)*			5	NA	---	---
三溴二苯醚 (TriBDE)*			5	NA	---	---
四溴二苯醚 (TetraBDE)*			5	NA	---	---
五溴二苯醚 (PentaBDE)*			5	NA	---	---
六溴二苯醚 (HexaBDE)*			5	NA	---	---
七溴二苯醚 (HeptaBDE)*			5	NA	---	---
八溴二苯醚 (OctaBDE)*			5	NA	---	---
九溴二苯醚 (NonaBDE)*			5	NA	---	---
十溴二苯醚 (DecaBDE)*			5	NA	---	---
上述多溴二苯醚总和*			---	NA	≤1000	NA
邻苯二甲酸二丁酯 (DBP)*	IEC 62321-8:2017 气相色谱-质谱法	mg/kg	50	NA	≤1000	NA
邻苯二甲酸二己酯 (DEHP)*		mg/kg	50	NA	≤1000	NA
邻苯二甲酸二(2-乙基)酯 (DEHP)*		mg/kg	50	NA	≤1000	NA
邻苯二甲酸二异丁酯 (DIBP)*		mg/kg	50	NA	≤1000	NA

备注: 1. 未检出表示小于检出限;

2. NA=不适用;

3. 沸水萃取法;

阴性=未检测到六价铬, 表明被测样品的沸水萃取液中六价铬的浓度小于 0.10µg/cm<sup>2</sup> 等价比较标准溶液。

阳性=检测到六价铬, 表明被测样品的沸水萃取液中六价铬的浓度大于 0.13µg/cm<sup>2</sup> 等价比较标准溶液。

由于未获知样品的存储条件和生产日期, 样品的六价铬测试结果仅能代表测试时样品含六价铬的状态。

ICAS  
英格尔集团



## 检测报告

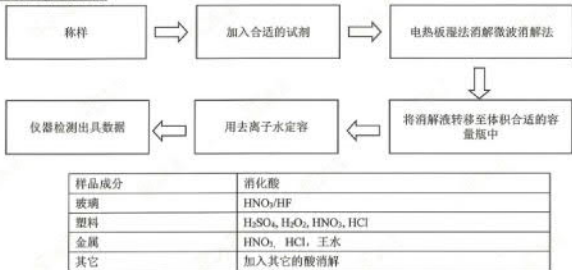
报告编号: SHX25050120-01

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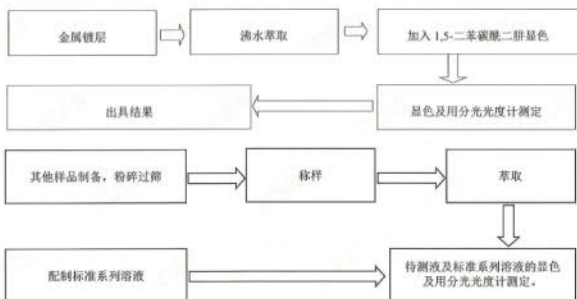
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### 化学检测流程图

#### 1. Pb、Hg、Cd 检测



#### 2. 六价铬 Cr(VI) 检测



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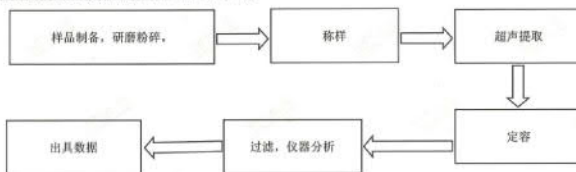
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### 3. 多溴联苯、多溴联苯醚、邻苯二甲酸酯类检测



样品照片



此照片仅限于随 ICAS 此份报告使用

\*\*\*报告结束\*\*\*



# Adequate Material Inventory

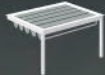
We have our own aluminum extrusion factory, stock warehouse, and finished product processing plant.  
The inventory of long-term spot materials maintains a turnover of **2000 tons**.  
We can ship regular color orders within **24 hours** at the fastest.



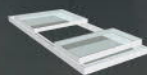
E-Sunroom



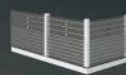
Louver Pergola



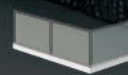
E-Folding Awning



E-Skylight



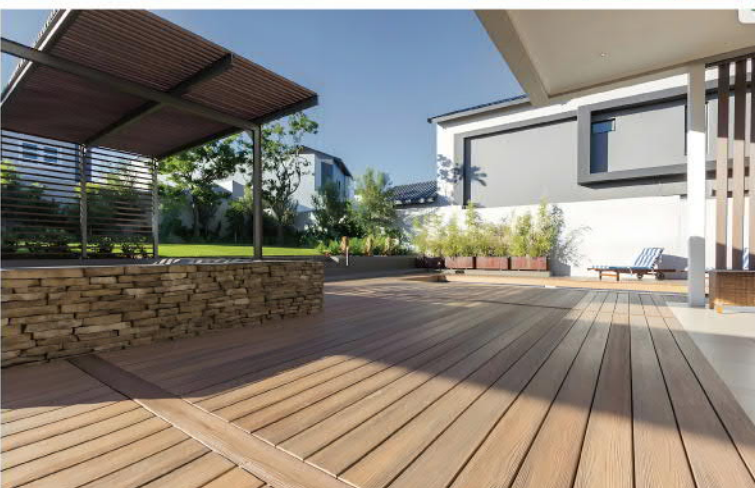
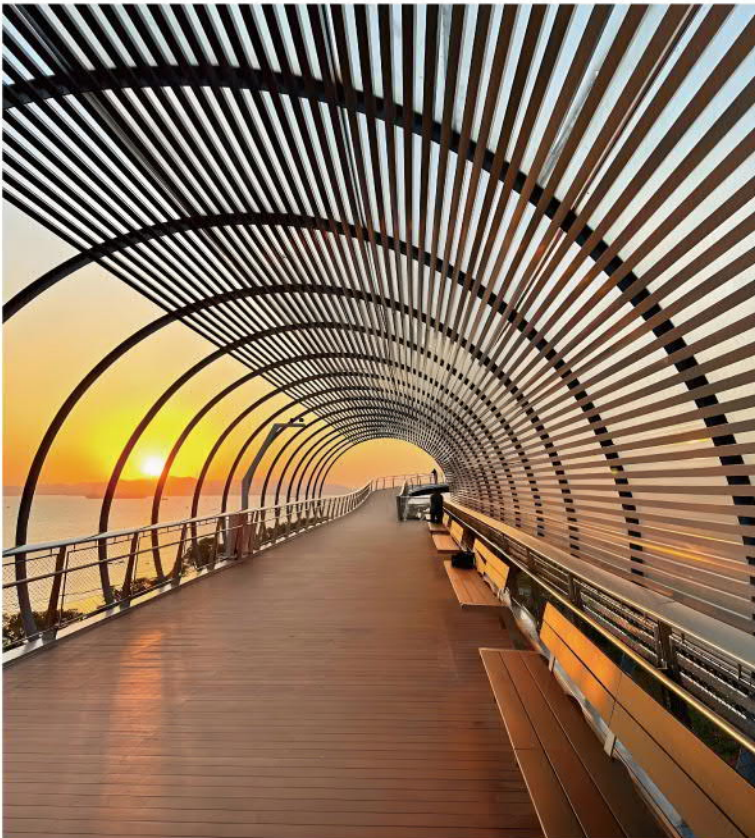
Alu Outdoor Fence



Minimalist Glass Guardrail



Electric Sunshade





## OEM & ODM

# FOCUS ON OUTDOOR SUNSHADE BUILDING ALUMINUM PROFILE

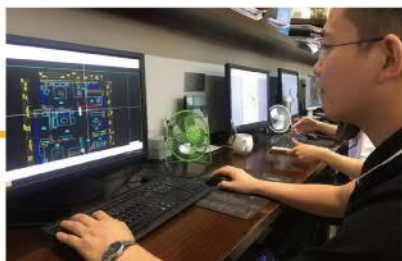
### Customization Process

CAYOE has implemented international advanced technologies with high automation in melting and casting aluminium bars mould development, profile extrusion, sandblasting, anodic oxidation, simple and complex salt coloring, electrophoresis coating, powder spraying, simulated wood grains, fluorocarbon spraying process. The product quality reaches international leading level.

### CUSTOMIZATION PROCESS



Inquiry-Communication  
Sample or CAD drawing



CAD drawing (Our company)  
Drawn Confirmation  
(Fastest completion speed 1 h)



Customized mold or choose  
common mold  
(Fastest completion speed 7-10d)



Start mass production



Check the formability  
Check all indicators



First compression test  
Testing aluminum molds



Cut length according  
to customer needs



Waiting for packaging  
Waiting for color processing



Process surface treatment according  
to customized requirements



On-time delivery  
and logistics tracking



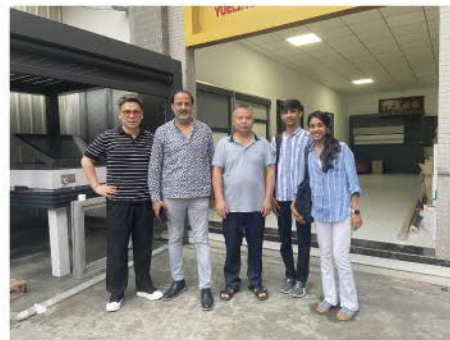
Packaging according  
to customer requirements



Check size, color  
and wall thickness



Customers from all over the world



We welcome and look forward to friends from all over the world to visit CAYOE.

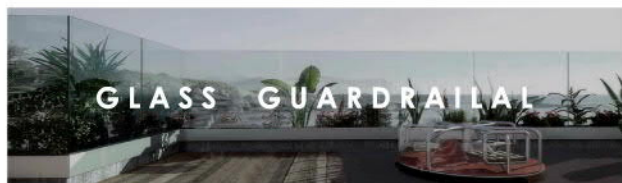


Please share our products with more friends

Let the CAYOE product become a member of your favorites.







**Foshan CAYOE Building Material Co., Ltd**  
YOUR OUTDOOR SHADING SYSTEM MATERIALS SUPPLIER

## Core Products

- Aluminum Sunroom System Materials
- Aluminum Pergola System Materials
- Aluminum Outdoor Fence System Materials
- Aluminum Glass Guardrail System Materials
- Aluminum Grille Panel System Materials
- Electric Sunshade Series



CONTACT US



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CAYOE Aluminum



cayoe.alu



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