



UV Resistant Customization Plexiglass Staircase Safety Protection

Our Product Introduction

Basic Information

- Minimum Order Quantity: 5set
- Price: Negotiable
- Packaging Details: Wooden box packaging, cardboard box packaging
- Delivery Time: 7-10 work days
- Payment Terms: L/C,D/P,T/T
- Supply Ability: 500sets/Year



Product Specification

- Material: PMMA
- Standard Size: Customizable
- Color: Customizable
- Feature: Luminous
- Service: OEM/ODM
- Application: Mall/Restaurant/Office/Home/Exhibition/Guardrail
- Highlight: **plexiglass stair risers, acrylic stair treads, acrylic step risers**

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Product Description

JAFFA Acrylic Art Staircases are custom-designed circulation core products tailored for high-end residences, commercial spaces, art galleries, and boutique hotels. Crafted from high-weatherability, texture-rich acrylic panels, combined with metal frames and LED lighting systems, we create staircase systems that blend transparent aesthetics with artistic expression, ideal for high-ceilinged spaces, duplex residences, commercial atriums, and art galleries.

- **Transparent Aesthetic Expression:** Acrylic enables diverse effects, including fully transparent, frosted, water ripple, and iridescent finishes. Combined with LED side-lighting, staircases display rich texture layers by day and transform into spatial light and shadow installations at night, enhancing modernity and artistic value.
- **Durable Safety Protection:** Imported UV-resistant acrylic provides outstanding UV resistance, anti-aging properties, and weatherability, resisting daily wear and impact. Professional structural calculations ensure stability and safety.
- **End-to-End Customization:** Full customization is available for dimensions, shapes, textures, and lighting configurations, including straight, spiral, curved, and custom forms to suit diverse design styles.

Product Attributes

- **Materials:** High-weatherability acrylic (PMMA) + stainless steel/aluminum frames; acrylic thickness options: 10mm–30mm
- **Processes:** Heat bending, laser cutting, texture replication, LED side-lighting, metal welding
- **Texture Effects:** Water ripple, frosted, iridescent, clear, custom exclusive textures
- **Applications:** High-end residences, commercial spaces, art galleries, boutique hotels, high-ceilinged spaces
- **Structural Forms:** Straight, spiral, curved, custom staircases (based on CAD drawings)

Customization Parameters Table

Parameter	Options/Specifications
Acrylic Thickness	10mm / 15mm / 20mm / 30mm
Staircase Span	Customizable to space; max single span length 5m, larger spans available via splicing
Design Shapes	Straight, spiral, curved, custom staircases (based on CAD drawings)
Texture Replication	Water ripple, frosted, iridescent, clear, custom exclusive textures based on design needs
Lighting Configurations	LED side-lighting (single-color/RGB), color temperature 3000K–6500K, smart dimming and scene linkage supported
Frame Materials	Stainless steel (brushed/polished), aluminum alloy (electrophoretic/painted); customizable colors and finishes
Load Capacity	Designed to usage requirements; max load capacity 500kg/ (with reinforced custom structures)
Construction Period	Small staircases: 15–25 days; large custom staircases: 30–45 days (assessed by size and complexity)

Frequently Asked Questions (FAQ)

2. What are the advantages of acrylic staircases over glass staircases?

Acrylic is 50% lighter and 10 times more impact-resistant than glass, reducing safety risks from breakage. It also offers richer texture and shape effects, lower manufacturing costs, and easier installation.

3. What is the lifespan of acrylic staircases?

Using imported UV-resistant acrylic, our staircases maintain color stability, texture, and light transmission for over 10 years in normal use environments. Lifespan may vary based on usage frequency and maintenance practices.

4. What is the lifespan and maintenance cost of the LED lighting system?

High-quality LED strips have a lifespan of over 50,000 hours and operate on low-voltage, safe power supplies. Modular strip design ensures easy maintenance and replacement at low cost.

5. Do you provide nationwide installation services?

We have a professional staircase installation team offering on-site measurement, design, and installation nationwide. For overseas projects, detailed installation guides and technical support are provided.

6. How should acrylic staircases be cleaned and maintained?

For daily cleaning, use a soft cloth with a neutral detergent. Avoid abrasive tools or cleaners containing grinding agents to prevent surface scratches. Metal frames can be maintained with rust-preventative oil, and LED lighting systems require care to avoid liquid ingress into light channels.

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