



Custom Acrylic Building Curtain Wall Custom-made Resin Glass Building Facades

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: JAFFA DESIGN PLASTIC
- 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: Custom Acrylic,Custom Resin Glass
- Standard Thickness: 5mm/6mm/8mm/10mm/12mm/15mm/20mm/25mm
- Standard Size: Customizable
- Feature: Luminescent
- Color: Customizable
- Application: Commercial Landmarks And Brand Image Walls /Exterior Walls Of Public Cultural Buildings /Exterior Walls Of Public Cultural Buildings /Creative Facade Renovation And Urban Renewal



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Product Description

Custom Acrylic Building Curtain Wall

At JAFFA Design Plastic, the custom acrylic building curtain wall is a high-end, energy-saving and environmentally friendly building exterior decoration material, made of high-purity PMMA acrylic sheet with advanced processing technology. It integrates the advantages of high light transmittance, light weight, impact resistance, flexible customization and excellent weather resistance, breaking the limitations of traditional glass curtain walls in terms of weight, processing difficulty and safety. Suitable for commercial buildings, office buildings, shopping malls, exhibition centers, residential buildings and other architectural facades, canopies, lighting roofs and indoor and outdoor decorative partitions. It can be customized into various shapes, colors and surface effects according to the architectural design concept, perfectly integrating with the architectural style, while ensuring the overall safety and durability of the building, creating a transparent, bright and high-grade architectural visual effect, and realizing the dual value of aesthetics and practicality.

Key Product Highlights

- Premium Acrylic Construction:** Our renovation solutions use high-grade acrylic, offering superior light transmission, UV resistance, and impact strength. This ensures long-lasting clarity, color retention, and weatherproofing, even in the harshest outdoor environments.
- Bespoke Design & Sizing:** From sleek, translucent curtain walls to dynamic, color-changing installations, we customize every dimension, shape, and finish to align with your project's unique vision. Whether you're modernizing a historic structure or creating a bold new landmark, we deliver a tailored solution that fits perfectly.
- Extensive Material Selection:** We offer **hundreds of material options**, including a wide spectrum of acrylic colors, textures (matte, glossy, frosted), and structural profiles to match your design aesthetic and functional requirements.
- End-to-End Custom Service:** Our team manages the entire process—from initial design consultation and 3D modeling to precision manufacturing and professional installation. We handle every detail, ensuring a seamless, stress-free experience from concept to completion.

Parameter Item	Specification	Description
Product Name	Custom Acrylic Building Curtain Wall	Customizable for multiple architectural scenarios
Base Material	High-purity PMMA acrylic sheet (virgin material)	Eco-friendly, non-toxic, odorless, in line with building environmental protection standards
Sheet Thickness	5mm-20mm, customizable according to demand	Can be thickened according to building height and wind pressure resistance requirements; 8-12mm is commonly used for exterior walls
Size Customization	Width: 0.5m-1.2m (single sheet); Height: 1m-6m (splicing available); Overall size fully customizable	Overall size can be completely customized according to architectural drawings
Wind Pressure Resistance	Grade 5-9 (0.7kPa-1.5kPa), customizable according to regional wind force	Can be customized and strengthened according to the wind force level of the project area to meet the building's wind resistance requirements
Light Transmittance	Transparent type: 92%-93%; Frosted type: 60%-80%; Colored type: 50%-85%	Uniform light transmission, no obvious light spots
Yellowing Resistance	QUV UV accelerated test 2000h, yellowing index ΔE 2.0, no obvious discoloration	No obvious yellowing, atomization or cracking when exposed to sunlight for a long time
Color Customization	Transparent, frosted, opal, solid color (white, gray, blue, etc.), gradient color, matte/glossy	Custom exclusive colors are available according to the color card
Surface Process	Polishing, anti-fingerprint, anti-scratch, UV protection coating, screen printing, engraving	Can improve durability and decorativeness
Processing Technology	Laser cutting, hot bending, splicing, drilling, edge polishing, seamless bonding	Suitable for curved and special-shaped building facade design
Installation Method	Dry hanging, embedded, clamping, seamless splicing; matching professional aluminum profiles and hardware accessories	Firm and stable, easy for later maintenance
Application Scenarios	Commercial buildings, office buildings, shopping malls, exhibition centers, residential facades, canopies, lighting roofs	Also applicable to indoor and outdoor decorative partitions

Parameter	Specification	Description
Service Life Rem	Indoor: ≥15 years; Outdoor: ≥10 years (under normal maintenance)	Acid and alkali resistant, anti-aging, no frequent replacement required

Why Choose JAFFA?

As a trusted leader in design plastic solutions, JAFFA combines technical expertise, premium materials, and a customer-centric approach to deliver building renovations that elevate any outdoor space. Our solutions are not just upgrades—they're functional works of art that enhance curb appeal, improve energy efficiency, and create immersive, light-filled environments. Whether you're renovating a commercial complex, a cultural institution, or a public landmark, we have the solutions to bring your vision to life.

Ready to transform your outdoor space with custom acrylic building renovation? [Contact our team today](#) to discuss your project, explore material options, and receive a personalized quote. Let JAFFA Design Plastic turn your vision into a durable, stunning reality.

FAQ:

1. Material & Safety

Q: Is the acrylic material of the custom acrylic building curtain wall safe and environmentally friendly? Does it meet the building material standards?

A: The curtain wall is made of high-purity virgin PMMA acrylic material, which is non-toxic, odorless, eco-friendly and in line with national building environmental protection standards. It does not release harmful substances during use, and when broken, it will not produce sharp fragments, avoiding injury risks, which is safer than traditional glass curtain walls.

2. Customization Service

Q: What aspects of the custom acrylic building curtain wall can be customized? Can it meet the special shape design of the building facade?

A: It supports full-dimensional customization, including size (width, height, thickness), color, surface process, shape (flat, curved, special-shaped), etc. For the special shape design of the building facade, we can carry out professional hot bending, splicing and seamless bonding processing according to the architectural drawings to perfectly fit the design requirements.

3. Performance & Durability

Q: Can the acrylic building curtain wall resist wind pressure and rain erosion? What is its service life outdoors?

A: The curtain wall is designed with wind pressure resistance grade 5-9, which can be customized and strengthened according to the wind force level of the project area to resist strong wind impact; it is equipped with a professional UV protection coating, which can resist rain erosion, ultraviolet radiation and other outdoor harsh environments. Under normal maintenance, the outdoor service life is more than 10 years, and there will be no obvious yellowing, cracking or aging.

4. Installation & Maintenance

Q: Is the installation of the acrylic building curtain wall complicated? Do you need professional construction personnel? What are the daily maintenance methods?

A: The installation is simple and efficient, adopting dry hanging, embedded and other mature installation methods, matching professional aluminum profiles and hardware accessories, and professional construction personnel are required to operate to ensure installation firmness. Daily maintenance is simple: wipe the surface with a soft cloth and clean water regularly to remove dust and stains; avoid scratching with sharp objects, and if there are slight scratches, they can be polished and repaired.

5. Comparison with Glass Curtain Wall

Q: What are the advantages of acrylic building curtain wall compared with traditional glass curtain wall?

A: Compared with glass curtain wall, it has four core advantages: Light weight: only 1/2 of glass, reducing the load-bearing pressure of the building; Strong impact resistance: 10-15 times that of glass, not easy to break, safer; Flexible customization: easy to process into curved and special-shaped, low customization cost; Easy maintenance: scratch-resistant, repairable, and lower comprehensive cost of transportation, installation and maintenance.

