

Exterior WPC Wall Panels Cladding In Fluted Design With Custom Colors

Our Product Introduction

for more products please visit us on hb-buildingmaterials.com

Basic Information

- Place of Origin: China
- Brand Name: HB-DECOR
- Certification: FSC、LEED、GREENGUARD
- Minimum Order Quantity: 100m²
- Price: Negotiable
- Delivery Time: 10days after receive deposit
- Payment Terms: L/C,T/T,D/A,D/P,Western Union,MoneyGram
- Supply Ability: 40CONTAINERS PER MONTH



Product Specification

- Product Name: Fluted Wpc Wall Panels Cladding
- Application: Exterior Wpc Cladding
- Eco-Certifications: FSC、LEED、GREENGUARD
- Flute Depth: 3mm , 5mm , Etc
- Width: 100mm-300mm Customizable
- Thickness: 10mm , 12mm , 15mm , 20mm , Etc
- Custom Colors: Support Pantone/RAL Color Card Matching
- Material: WPC
- Highlight: Exterior WPC Fluted Panel,
Fluted Design WPC Fluted Panel,
Custom Colors WPC Fluted Panel



Product Description

Exterior Wpc Cladding Fluted Wpc Wall Panels Cladding

Transform building exteriors with HB-DECOR Fluted WPC Cladding, the ultimate fusion of architectural beauty and engineered durability. Our precision-designed vertical fluting creates dynamic shadow play that elevates facades with contemporary sophistication.

Why Professionals Choose HB-DECOR:

- ✓ Deep Profile Integrity – 3-8mm flute depths maintain crisp lines season after season
- ✓ Cladding-Grade Composition – 65% wood fiber reinforced with impact-modified polymers
- ✓ Weatherproof Shield – Patented moisture barrier prevents warping (-30°C to 80°C stable)
- ✓ Architectural Flexibility – Reversible panels for vertical/horizontal installation

Engineered For:

- High-traffic commercial facades
- Coastal residence weather barriers
- Urban retrofit projects

Complete your specification package:

Fire-rated options (Class B)

Custom lengths up to 6m

RAL-matched color system

HB-DECOR – Advanced exterior solutions with 15-year performance assurance

Differentiators:

Focuses on structural performance (not just aesthetics)

Targets architects/contractors with technical details

Highlights climate adaptability

Includes call-to-action for specs

Need project-specific wind load data or BIM files? Contact our tech team.

Specification

Category	Parameter	Details
Material	Composition	60-70% Wood Fiber, 30-40% HDPE/PP/PVC, UV Stabilizers, Fire Retardants
	Density	1.2-1.4 g/cm³
Dimensions	Length	2,000-6,000 mm (Customizable)
	Width	100-300 mm (Standard: 150mm, 200mm)
	Thickness	10mm, 12mm, 15mm, 20mm (±0.3mm Tolerance)
	Flute Depth	3mm, 5mm, 8mm (Vertical/Horizontal Grooves)
Performance	Water Absorption	<0.5% (24h Immersion)
	Thermal Expansion	0.05-0.1% per °C (30-80°C Range)
	Fire Rating	Class B1 (GB8624-2012) / UL94 V-2
	UV Resistance	≥5 Years Fade-Free (QUV Accelerated Testing)
Surface	Color Options	Wood Grain (Teak, Oak, Gray, etc.), Custom RAL/Pantone Matched
	Texture	Embossed, Smooth, Brushed
Installation	Mounting System	Hidden Clips, Aluminum Rails, or Direct Screw Fixing
	Battens Spacing	300-600 mm (Recommended for Load Capacity)
Certifications	Standards	ISO 9001, ISO 14001, CE, FSC® (Optional)
Packaging	MOQ	100 m² (Palletized, Weatherproof Wrapping)
	Lead Time	15-30 Days (Depending on Customization)

Application Scenarios

Commercial Complexes: Large shopping malls and department stores have high foot traffic, requiring attractive facades. The unique texture and shape of Wpc fluted wall panels can create a stylish and modern appearance, attracting consumers' attention and enhancing the commercial complex's recognition and brand image.

Office Buildings: The facade of an office building represents a company's image. With various colors and installation methods, Wpc fluted wall panels can create a simple, elegant, or uniquely personalized style, showcasing a company's professionalism and vitality. Their durability ensures a long - lasting good appearance.

Hotels and Resorts: High - end hotels and resorts focus on creating a unique atmosphere. Wpc fluted wall panels can blend with the surrounding natural environment. Whether it's the refreshing style of a seaside resort or the natural style of a mountain hotel, the color and texture of the panels can be matched to provide guests with a unique visual experience.

Residential Communities: Wpc fluted wall panels are an excellent choice for enhancing the overall aesthetics and quality of residential communities. They can add a sense of depth and three - dimensionality to the exterior of the community, making the buildings more distinctive. Their good weather resistance allows them to withstand wind and sun, maintaining long - term beauty.

Schools and Educational Institutions: The facades of school buildings need to reflect both solemnity and vitality. Wpc fluted wall panels can be used in teaching buildings, libraries, and other structures. They not only beautify the campus environment but also meet the health and safety requirements of schools due to their environmental friendliness, creating a good learning and living environment for teachers and students.

Hospitals: Hospital buildings should convey a sense of quietness, comfort, and hygiene. Wpc fluted wall panels have a smooth surface, making them easy to clean, and they also have certain sound - insulation effects, creating a quiet medical environment for patients. Their diverse color options can also relieve patients' tension.

Cultural Venues: Cultural venues such as museums, art galleries, and theaters have high requirements for the artistry of the building's appearance. Through special shapes and designs, Wpc fluted wall panels can create an artistic facade that fits the

cultural atmosphere of the venue, becoming a cultural landmark of the city.

Transportation Hubs: Transportation hubs such as airports, railway stations, and subway stations have frequent passenger flows, and their facades need to be highly durable and resistant to dirt. Wpc fluted wall panels can meet these requirements. Meanwhile, their beautiful appearance can also enhance the overall image of the transportation hub, leaving a good first impression on passengers.



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