

Louver Fluted Wpc Panel Exterior Long Life

Our Product Introduction

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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: Wpc Louver Panels Exterior
- Thickness: 10mm , 12mm , 15mm , 20mm , Etc
- Application: Wpc Wall Panel Exterior
- Width: Customizable
- Feature: WPC Fluted Wall
- Material: WPC
- Highlight: Exterior fluted wpc panel,
Louver fluted wpc panel,
Louver wpc fluted wall panels

Product Description

WPC Fluted Wall Wpc Louver Panels Exterior Wpc Wall Panel Exterior

Engineered for premium exterior applications, HB's WPC Fluted Wall Panels and Louver Systems deliver uncompromising performance in modern façade solutions. Our proprietary Wood Polymer Composite formulation combines 55% recycled wood fibers with high-grade polymers, achieving:

- Structural Integrity - 12,500 psi compressive strength with <0.5% water absorption
- Climate Resilience - UV-stabilized for 5000+ hours weathering resistance (ASTM G154)
- Thermal Performance - R-value of 0.25 per inch with Class A fire rating

The precision-engineered fluted profile (20mm depth) and adjustable louver system (15°-75° tilt) meet commercial performance requirements for:

Curtain wall cladding systems
Acoustic barrier installations
Solar shading facades
Ventilated rain screens

Applications

Architectural Cladding Systems

- Ventilated façade assemblies
- Rainscreen substructures
- Solar shading devices (Brise-soleil)

Commercial Exteriors

- Curtain wall spandrels
- Acoustic barrier panels
- Parapet coverings

Urban Design Elements

- Privacy screening (balconies/terraces)
- Modular fencing systems
- Wayfinding feature walls

Sustainable Infrastructure

- Green building certified projects (LEED/BREEAM)
- Low-maintenance public spaces
- Coastal zone construction (salt-resistant)

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)

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Focus On Life

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