

10mm Thickness Wpc Fluted Wall Panel Waterproof For Exterior

Our Product Introduction

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

Product Description

Wpc Wall Panel Waterproof Wpc Panels For Exterior

HB's advanced WPC Wall Panel system delivers uncompromising waterproof protection for demanding exterior applications. Our proprietary co-extrusion technology bonds a high-density polymer cap layer (0.8mm) to a structural wood-composite core, achieving:

Performance Advantages:

- 100% waterproof construction (0% water absorption per ASTM D570)
- Class 1 fire rating (BS EN 13501-1)
- Impact resistance (50kJ/m² per EN 12664)

Technical Specifications:

Panel Dimensions: 3000x300x20mm (custom lengths to 6000mm)

Surface Treatment: UV-cured acrylic coating (25µm)

Thermal Movement: 0.8mm/m/°C

Wind Load Rating: 3.5kPa (75mph)

Ideal for:

- Coastal zone buildings (salt spray resistant)
- High-humidity environments
- Vertical garden substructures
- Commercial wet areas (pool surrounds, spas)

Certified to EN 15534-1 with 20-year limited warranty against water damage. Includes HB's patented Interlock+ mounting system for seamless installation with concealed drainage channels.

Applications

Coastal Building Facades
High-Rise Exterior Cladding
Swimming Pool Surrounds
Spa & Wellness Center Walls
Balcony & Terrace Screens
Hotel & Resort Exteriors
Commercial Wet Areas
Vertical Garden Backings
Marine & Waterfront Structures
High-Humidity Zone Partitions

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/cm ³
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 m ² (Palletized, Weatherproof Wrapping)
	Lead Time	15-30 Days (Depending on Customization)

HB-DECOR Focus On Life **HAINING HAOBO BUILDING MATERIALS CO.,LTD**

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