Waterproof Wpc Fluted Panel For Exterior Residential Exteriors And Outdoor Walls

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
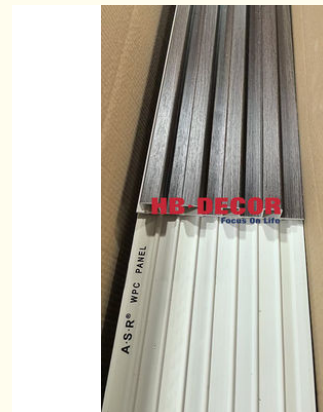
Product Specification

- Product Name: Wpc Fluted Panel Exterior
- Application: Residential Exteriors / Public Spaces
- Length: 2m-6m   Customizable
- Flute Depth: 3mm , 5mm , Etc
- Thickness: 10mm , 12mm , 15mm , 20mm , Etc
- Widt: 100mm-300mm   Customizable
- Texture: Wood Grain , Matte , Glossy , Relief , Etc
- Waterproof Rating: Water Absorption Rate <0.5%
- Eco-Certifications: FSC、LEED、GREENGUARD
- Material: WPC
- Highlight: **Outdoor Walls Wpc Fluted Panel**,
                          Waterproof Wpc Fluted Panel,
                          Exterior Residential Wpc Fluted Panel

Product Description

Wpc Fluted Panel Exterior Residential Exteriors Outdoor Wpc Wall Panel

Upgrade your residential exteriors with HB-DECOR's premium **WPC Fluted Panel Exterior** - the perfect fusion of durability and modern aesthetics. Our innovative wood-plastic composite panels feature deep vertical fluting that creates stunning shadow play while providing exceptional weather resistance.

Key Advantages

• **All-Weather Performance** - UV-stabilized formula prevents fading, warping or cracking
• **Low-Maintenance Luxury** - No painting or sealing required, easy to clean
• **Architectural Versatility** - Available in multiple profiles (3-8mm flute depth) and woodgrain finishes
• **Sustainable Choice** - Made with recycled materials and FSC-certified wood fibers
Perfect for: Modern home facades, garden walls, balcony screens and entrance features.
HB-DECOR brings you exterior wall solutions that combine beauty, performance and effortless maintenance - **the smarter choice for contemporary living**.

Specification

Category	Parameter	Specification
Material Composition	Wood Fiber Content	60-65%
	Polymer Matrix	HDPE + PP Composite
	Additives	UV Stabilizers, Fire Retardants, Fungicides
Physical Properties	Density	1.25-1.35 g/cm³
	Water Absorption	≤0.3% (24h immersion)
	Thermal Expansion	0.07-0.12 mm/m·°C (20-60°C)
Mechanical Performance	Flexural Strength	≥25 MPa
	Impact Resistance	≥8 kJ/m²
Fire Performance	Fire Rating	B-s1,d0 (EN 13501-1)
	Flame Spread	Class C (ASTM E84)
Weather Resistance	UV Stability	ΔE≤3 after 3000h QUV
	Freeze-Thaw Cycling	No cracking after 50 cycles
Dimensions	Panel Width	150/200/250 mm (±0.5mm)
	Panel Length	2400-6000 mm (customizable)
	Thickness	12/15/20 mm (±0.3mm)
	Flute Depth	3/5/8 mm (±0.2mm)
Installation	Mounting System	Hidden Clip/Aluminum Rail
	Maximum Span	600mm (20mm thickness)
Certifications	Environmental	FSC, LEED compliant

Category	Parameter	Specification
	Quality	ISO 9001, ISO 14001

Application Scenarios

Transform your home's exterior with **HB-DECOR WPC Fluted Panels**—a perfect blend of **modern aesthetics, durability, and low maintenance**. Designed for residential applications, these panels enhance curb appeal while providing long-lasting protection against harsh weather conditions.

Why Choose HB-DECOR for Your Home?

Sleek & Modern Design – Deep vertical fluting creates elegant shadow effects, elevating contemporary home facades, fences, and accent walls.

Weatherproof & Fade-Resistant – UV-stabilized materials prevent color fading, warping, or cracking, even in extreme climates.

Zero Maintenance – No painting, staining, or sealing required—just occasional cleaning with water.

Easy Installation – Compatible with hidden clip systems for seamless, professional-looking finishes.

Eco-Friendly – Made with sustainable wood-plastic composite (FSC-certified), free from harmful chemicals.