

Product Data Sheet

WPC (Wood-Plastic Composite) Wall Panels

Description

Description	WPC Wall Panels are extruded composite panels made from wood fibre blended with thermoplastic resin (PVC/PE/PP) and functional additives. They offer a moisture- and termite-resistant alternative to natural wood and gypsum wall cladding, with a tongue-and-groove or click-lock installation system for fast, adhesive-free fitting.
Standard Panel Size	Width: 600 mm / 1220 mm Length: 2440 mm / 2900 mm (on request)
Thickness Range	5 mm – 25 mm depending on application
Applications	Interior wall cladding, false ceilings, partition panels; exterior facades (weather-resistant grade only)

Key Benefits

- Moisture and termite resistant — does not rot, warp, or swell like natural wood
- Low maintenance — no periodic painting or polishing required
- Lightweight relative to solid wood; easier handling and installation
- Tongue-and-groove / click-lock system for fast, adhesive-free fitting

Technical Specifications

Parameter	Unit	Specification	Test Method
Composition	—	Wood fibre 40–60%, PVC/PE/PP resin 30–50%, additives balance	—
Density	g/cm ³	0.7 – 0.9	ASTM D792
Water Absorption (24 hr)	%	≤ 1.0	ASTM D570
Flexural Strength	MPa	≥ 20	ISO 178
Fire Resistance	—	Class B1 (flame-retardant grade)	GB 8624 / ASTM E84
Surface Finish	—	Wood-grain laminate, matte, textured, solid colour	Visual
Installation	—	Tongue-and-groove / click-lock	—

Packaging

Packaging	Panels stacked and shrink-wrapped on pallets, corner-protected; custom export packaging available
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Storage & Handling

- Store flat, on a level surface, in a dry covered area away from direct sunlight and moisture

Disclaimer: Provided as a general guide, subject to revision; buyers should confirm suitability through their own testing.