



wood-plastic-composites-wpc

Natural Wood Aesthetics & Ultra-Low Maintenance Durability

Key Features

Superior Weather Resistance:

Engineered to withstand extreme UV exposure and high humidity without warping, cracking, or splintering.

Eco-Friendly Composition: Manufactured from a blend of recycled wood fibers and high-density polymers, reducing deforestation and plastic waste.

Inherent Pest Protection: Completely immune to termites, wood-borers, and fungal decay, making it ideal for tropical climates like Kilifi.

Anti-Slip Surface: Features a textured wood-grain finish that provides excellent grip, even when wet, ensuring safety for pool decks and walkways.

Color Stability: Integrated pigments ensure the material maintains its rich color for decades without the need for staining, painting, or oiling.

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Technical Specifications

Parameter	Details
Product Types	Decking Boards, Wall Cladding, Fencing, Pergolas
Standard Widths	140mm, 150mm (Decking)
Thickness	20mm to 30mm (Hollow or Solid profiles)
Standard Length	2.2m, 2.9m, or 5.8m (Customizable)
Composition	60% Wood Fiber
Water Absorption	<0.5% (Extremely low)
Fire Rating	Class B1 (Flame Retardant)

Benefits

Zero Maintenance: Unlike natural timber, WPC never requires sanding, sealing, or varnishing, saving thousands in long-term upkeep.

Splinter-Free: Safe for bare feet and children, as the material does not peel or produce sharp fibers over time.

Easy Installation: Hidden fastener systems allow for a seamless look without visible screws or nails on the surface.

Consistent Quality: Every board is perfectly straight and uniform, eliminating the waste associated with knots or warped natural wood.

Factory Address: Kilifi, Kenya

Tel: +254 72 495 1377

Applications

Outdoor Decking: Luxury pool surrounds, garden patios, and restaurant terraces.

Wall Cladding: Modern exterior facades for residential and commercial buildings.

Fencing & Gates: Privacy screening that looks like wood but lasts like stone.

Public Infrastructure: Durable boardwalks, park benches, and urban landscaping elements.

Why Choose WEB Housing Wood Plastic Composites (WPC)?

Coastal Grade Formulation: Our WPC is specifically designed for high-salinity environments, ensuring the fasteners and boards resist salt-air corrosion.

Sophisticated Finishes: We offer a range of colors from Deep Teak to Anthracite Grey to match any architectural vision.

Structural Compatibility: Our WPC systems are designed to integrate perfectly with our Steel U-Channels and Precast structures.

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