PACKMATE WP-1210

HEAVY-DUTY INDUSTRIAL PACKAGING WOODEN PALLET

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Class: Industrial Storage & Transit Packaging

FOOTPRINT DIMENSIONS	DYNAMIC PAYLOAD	STATIC PAYLOAD	STANDARD TREATMENT
1200 × 1000 mm	1,500 kg	4,500 kg	ISPM-15 Heat Treated

PRODUCT OVERVIEW

The PackMate WP-1210 is a standardized, heavy-duty wooden packaging pallet designed for secure transport, automated warehouse handling, and export logistics. Constructed from high-density, kiln-dried structural timber and built to ISO 6780 specifications, it provides exceptional bending strength and impact resistance. Its robust construction ensures optimal load distribution for boxed cargo, machinery parts, drums, and bulk freight.

PALLET ARCHITECTURE & LOAD DISTRIBUTION

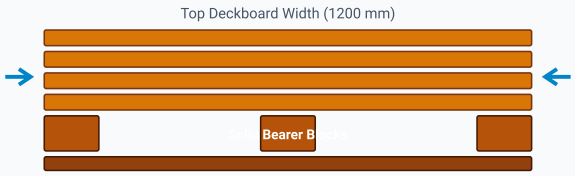


Figure 1: Full Decking Layout with Solid Timber Bearers & Fork Entry Openings

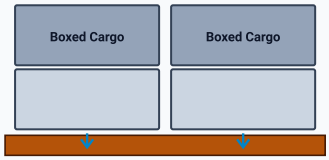


Figure 2: Stacked Unit Load Distribution Profile for Industrial Warehousing

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION LIMIT	STANDARD COMPLIANCE / NOTES
Footprint Dimensions	1200 mm (L) × 1000 mm (W) × 144 mm (H)	ISO 6780 / GMA Footprint Compliant
Dynamic Load Capacity	1,500 kg (Uniformly Distributed Load)	Tested under active forklift transport
Static Load Capacity	4,500 kg (Solid Floor Stacking)	Supports multi-tier warehouse unit stacking
Racking Load Capacity	1,000 kg (Unsupported Beam Racking)	Zero sag under maximum beam rack loading
Timber Material Grade	Kiln-Dried Hardwood or Selected Softwood	Debarked timber free of bark strips
Moisture Content	≤ 18% Kiln Dried (KD)	Prevents fungal growth, mold, and warping
Phytosanitary Certification	ISPM-15 Heat Treated (HT Stencil)	Compliant for international export trade
Fastening System	Helical Drive Threaded Steel Nails	Countersunk flush to protect cargo packaging

OPERATIONAL & PACKAGING FEATURES

Flush Top Decking Construction

Evenly spaced deckboards with flush countersunk nails prevent puncture damage to corrugated cartons, shrink wrap, and flexible packaging.

ISPM-15 Export Certified

Heat-treated to a core temperature of 56°C for a minimum of 30 minutes, meeting all international export standards without chemical additives.

Automated Conveyor Compatibility
Rigid perimeter bottom deck configuration provides consistent contact with roller and chain conveyors in automated material handling systems.

Beveled Lead-In Base Boards
Machine-milled chamfers on bottom deckboards allow smooth entry and exit for manual hand pallet jacks and powered walkies.

COMPONENT DIMENSIONAL BREAKDOWN

COMPONENT ELEMENT	DIMENSIONS (L × W × H)	QUANTITY PER UNIT
Top Lead Deckboards	1000 mm × 145 mm × 20 mm	2 Boards (Front & Rear Edges)
Top Intermediate Deckboards	1000 mm × 100 mm × 20 mm	5 Boards (Evenly Spaced)
Solid Support Bearer Blocks	145 mm × 90 mm × 78 mm	9 Solid Wood Blocks
Bottom Base Runner Skids	1200 mm × 145 mm × 20 mm	3 Base Boards