HARDWOOD PALLET HW-1210

PREMIUM GRADE STRUCTURAL HARDWOOD SHIPPING PALLET

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Class: Structural Industrial Packaging

STANDARD SIZE	DYNAMIC RATING	STATIC RATING	TIMBER SELECTION
1200 × 1000 mm	2,000 kg	6,000 kg	Oak / Beech / Maple

PRODUCT OVERVIEW

The HW-1210 Hardwood Pallet is designed for demanding logistics, offering superior structural longevity compared to standard softwood alternatives. Built using dense, kiln-dried temperate hardwoods (such as Oak, Beech, and Hard Maple), this pallet delivers extreme resistance to board splitting, fastener pull-out, and impact deformation during forklift loading and multi-tier warehouse stacking.

TIMBER GRAIN STRUCTURE & ASSEMBLY LAYOUT

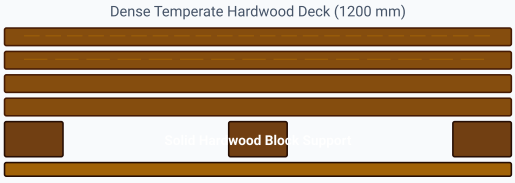


Figure 1: High-Density Temperate Hardwood Assembly with Reinforced Grain Alignment

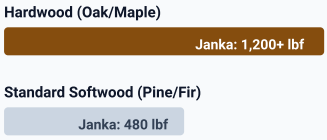


Figure 2: Janka Hardness Rating & Fastener Retention Capability

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION LIMIT	STANDARD COMPLIANCE / NOTES
Overall Footprint	1200 mm (L) × 1000 mm (W) × 144 mm (H)	ISO 6780 Standard Dimensions
Dynamic Load Capacity	2,000 kg (Uniformly Distributed Load)	High dynamic shear load resistance
Static Load Capacity	6,000 kg (Floor Stacking UDL)	Tested for multi-tier industrial racking
Racking Load Capacity	1,200 kg (Beam Racking Unsupported)	Zero sag profile under maximum payload
Wood Species Selection	Oak, Birch, Beech, Maple (Group I/II Hardwoods)	High density timber (> 650 kg/m³)
Moisture Content	12% – 16% (Kiln Dried)	Prevents shrinkage and dimensional warp
Export Certification	ISPM-15 Heat Treated (HT Stamp)	Compliant for international shipping
Nailing System	Helical Drive Threaded Steel Nails	High retention force prevents nail backing

KEY PRODUCT ADVANTAGES

Exceptional Janka Hardness

High-density hardwood fibers absorb heavy shock loads and resist impact damage from forklift tines, extending service life by 3× over softwood pallets.

Superior Fastener Holding Force

Dense cell structure locks helical nail threads securely, eliminating loose deckboards, popping fasteners, and joint distortion during drag tests.

ISPM-15 Phytosanitary Compliant

Kiln-dried and heat-treated to core temperatures meeting international export standards, eliminating pest infestation risks without chemical treatment.

Automated Conveyor Compatible

Rigid, non-deflecting bottom deck construction guarantees smooth transit along high-speed automated roller and chain conveyor systems.

COMPONENT BREAKDOWN

ELEMENT DESCRIPTION	DIMENSIONS (L × W × H)	QUANTITY PER UNIT
Top Lead Deckboards	1000 mm × 145 mm × 20 mm	2 Boards (Front & Rear Edges)
Top Intermediate Boards	1000 mm × 100 mm × 20 mm	5 Boards (Even Spacing)
Solid Support Blocks	145 mm × 95 mm × 78 mm	9 Solid Blocks
Bottom Base Skids	1200 mm × 145 mm × 20 mm	3 Base Boards