INDUSTRIAL WOODEN PALLETS

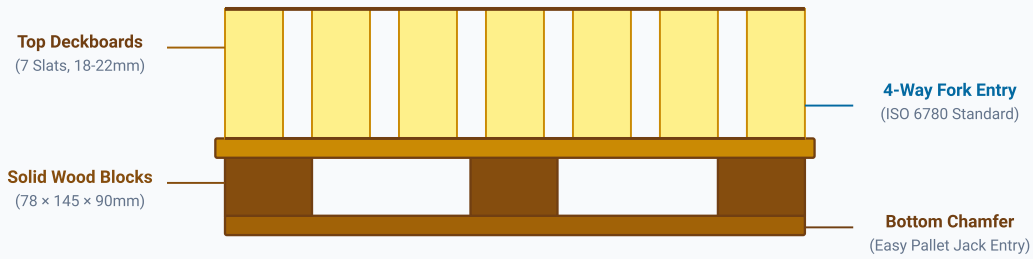
Material, Structural & Load Capacity Specifications

SPEC NO: WPLT-STD-2026
Standards: ISO 6780 / ISPM 15 / GMA / EPAL

1. SCOPE & MANUFACTURING INTENT

This document outlines the material standards, board dimensions, block/stringer arrangements, fastener configurations, phytosanitary requirements, and load capacity parameters for standard 4-way and 2-way industrial wooden pallets.

2. 4-WAY BLOCK PALLET STRUCTURAL LAYOUT



3. TECHNICAL & DIMENSIONAL SPECIFICATIONS

Pallet Feature	GMA Standard (North America)	Euro Pallet (EPAL 1 / EUR)
Overall Dimensions	48" × 40" (1219mm × 1016mm × 121mm overall height).	1200mm × 800mm × 144mm overall height.
Timber Material	Kiln-dried Southern Yellow Pine (SYP) or mixed Oak/Hardwood. MC ≤ 19%.	Kiln-dried Spruce, Pine, or Fir (SPF). Moisture content ≤ 22%.
Deckboard Layout	7 top deckboards (18mm thick), 5 bottom deckboards (chamfered lead boards).	5 top deckboards (22mm thick), 3 bottom runner boards (chamfered edges).
Entry Type & Blocks	4-way entry stringer with notches (38mm × 89mm × 1219mm stringers).	4-way entry block design with 9 solid timber/composite blocks (78 × 145 × 90mm).
Load Capacities	Dynamic: 1,500 kg (3,300 lbs) | Static: 4,500 kg | Racking: 1,000 kg.	Dynamic: 1,500 kg | Static: 4,000 kg | Safe Stack Load: 1,000 kg.

4. QUALITY CONTROL, FASTENERS & PHYTOSANITARY RULES

ISPM 15 & PHYTOSANITARY COMPLIANCE

- **Heat Treatment (HT):** Heated to min. core temperature of 56°C for 30 consecutive minutes.
- **IPPC Marking:** Stenciled mark with ISO country code, producer number, and HT designation.
- **Debarking Standard:** Completely free of bark and insect bore holes per international regulations.

FASTENER & ASSEMBLY STANDARDS

- **Nail Specification:** EPAL-certified ring-shank helical drive nails with countersunk heads.
- **Nail Withdrawal Rating:** Minimum 85 N/mm thread engagement strength to prevent deck pop.
- **Tolerance & Squareness:** Diagonal difference ≤ 5mm across opposing corners.