WOODEN PALLETS FOR LCL CARGO SHIPMENTS

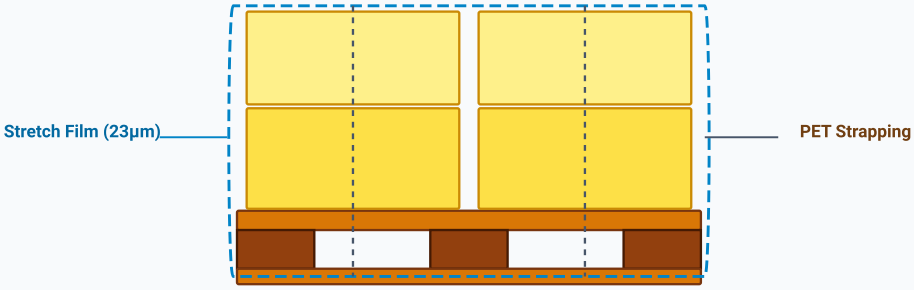
Consolidation, Packaging & Phytosanitary Specifications

SPEC NO: LCL-PLT-2026
Standard: ISPM 15 / ISO 6780 / IATA & IMO LCL

1. LCL CONSOLIDATION SCOPE & COMPLIANCE

This technical document defines structural, dimensional, phytosanitary (ISPM 15), and stretch-wrap unitization standards for wooden pallets utilized in Less than Container Load (LCL) ocean and multi-modal freight consolidation.

2. PALLET UNITIZATION & LCL STACKING PROFILE



3. TECHNICAL MATERIAL & UNITIZATION PARAMETERS

Specification Field	Standard Requirement	LCL Freight Impact & Purpose
Standard Footprint	1200mm × 1000mm (ISO Standard) or 1200mm × 800mm (Euro Pallet). Max height: 1600mm.	Optimizes container space utilization; prevents overhang damages during CFS co-loading.
Phytosanitary Standard	ISPM 15 compliant heat-treated solid timber (HT stamp mandatory on 2 opposite sides).	Mandatory for international ocean cross-border customs clearing; prevents biological pests.
Cargo Unitization	23 micron LLDPE stretch film wrap (5-layer overlap) + 4 corner protection edge-boards.	Secures loose cartons into a single rigid handling unit; reduces CFS handling damage.
Strapping Specification	Min 15mm × 0.8mm PET polyester heavy-duty banding (2 vertical + 2 horizontal straps).	Prevents load shift during rough ocean container transit & multiple forklift transfers.
Load Rating Requirements	Dynamic Load: 1,200 kg min | Static Load: 2,500 kg | Double-stackable: Flat top surface.	Must withstand double-stacking inside LCL consolidation containers at origin warehouse.

4. LCL HANDLING & DOCUMENTATION GUIDELINES

CFS CO-LOADING & STACKING SAFETY

- **No Overhang Rule:** Cartons must fit 100% inside pallet perimeter to avoid crushing adjacent LCL cargo.
- **Top Flatness:** Top level of boxes must form a flat plane or be capped with a top deck board for stackability.
- **Forklift Access:** 4-way entry required for fast loading via container freight station (CFS) forklifts.

LABELING & PHYTOSANITARY AUDIT

- **Shipping Markings:** Heavy-duty waterproof barcode labels applied on 2 adjacent sides (Port of Discharge, CBM, Gross Wt).
- **ISPM 15 Certificate:** Heat-Treatment certificate attached to Master Bill of Lading (MBL/HBL).
- **Fumigation/HT Inspection:** Core wood moisture must remain < 20% to prevent mold growth in transit.