



Standard Practice for Treatment and/or Marking of Wood Packaging Materials¹

This standard is issued under the fixed designation D6253; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This practice covers the development of recommended treatment, or marking practices, or both, for wood packaging materials (WPM) and aids in identifying WPM as to phytosanitary treatment, intended service cycles, repair, the specific specification used to manufacture or recycle, and other user designated characteristics.

1.2 This practice identifies WPM treated, or marked, or both in accordance with industry, government, or international recognized standards.

1.3 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

1.4 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:²

- D996 Terminology of Packaging and Distribution Environments
- D6039/D6039M Specification for Open and Covered Wood Crates
- D6251/D6251M Specification for Wood-Cleated Panelboard Shipping Boxes
- D6254/D6254M Specification for Wirebound Pallet-Type Wood Boxes
- D6255/D6255M Specification for Steel or Aluminum Slotted Angle Crates
- D6256/D6256M Specification for Wood-Cleated Shipping

¹ This practice is under the jurisdiction of ASTM Committee D10 on Packaging and is the direct responsibility of Subcommittee D10.12 on Shipping Containers, Crates, Pallets, Skids and Related Structures.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

Boxes with Skidded, Load-Bearing Bases
D6573/D6573M Specification for General Purpose Wire-bound Shipping Boxes

2.2 MHIA Standard:

MHIA MH1–2005 Pallets, Slip Sheets, and Other Bases for Unit Loads³

2.3 AWPA Standards:

P8-03, Standard for Oil-Borne Preservatives⁴

P9-03, Standards for Solvents and Formulations for Organic Preservative Systems⁴

2.4 NFPA Standard:

NFPA 704, Standard System for Identification of Hazards of Materials for Emergency Response⁵

2.5 International Standard:

International Standards for Phytosanitary Measures (ISPM) Publication No. 15, Regulation of Wood Packaging Material in International Trade⁶

3. Terminology

3.1 *Definitions*—General definitions for the packaging and distribution environments are found in Terminology D996.

3.2 Definitions of Terms Specific to This Standard:

3.2.1 *certifying or inspection agency, n*—a qualified independent agency providing an audit service to verify the manufacturer or recycler has complied with government or industry-recognized programs.

3.2.2 *dielectric heat treatment (DH), n*—heating of WPM using dielectric heating in accordance with a specific time-temperature schedule that achieves a minimum wood core temperature of 60°C for a minimum of 1 continuous minute.

3.2.3 *heat treatment (HT), n*—heating of WPM using a conventional steam or dry kiln heat chamber in accordance with a specific time-temperature schedule that achieves a minimum wood core temperature of 56°C for a minimum of 30 continuous minutes.

³ Available from Material Handling Industry of America (MHIA), 8720 Red Oak Blvd., Suite 201, Charlotte, NC 28217–3992, <http://www.mhia.org>.

⁴ Available from American Wood Protection Association (AWPA), P.O. Box 361784, Birmingham, AL 35236-1784, <http://www.awpa.com>.

⁵ Available from National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, MA 02269-9101.

⁶ Available from the International Plant Protection Convention, www.ippc.int.