



Standard Practice for Packaging of Copper and Copper Alloy Mill Products for U.S. Government Agencies¹

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1. Scope*

1.1 This practice establishes requirements for packaging, packing, and marking intended to ensure proper and safe storage and transportation of copper and copper alloy mill products, both foreign and domestic, for direct shipment to government activities or shipment processed at a military activity or agency. This practice details the materials, methods, containers, and procedures for the preparation for shipment of copper and copper alloy mill products. Mill products wherein copper is the basic metal are within the scope of this practice. Commercial packaging establishes the minimum requirements that apply unless Level A or B packing is specified (see 6.1).

1.2 *Units*—The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units which are provided for information only and are not considered standard.

1.3 *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 to determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:²

- B846 Terminology for Copper and Copper Alloys
- D143 Test Methods for Small Clear Specimens of Timber
- D779 Test Method for Determining the Water Vapor Resistance of Sheet Materials in Contact with Liquid Water by the Dry Indicator Method

¹ This practice is under the jurisdiction of ASTM Committee B05 on Copper and Copper Alloys and is the direct responsibility of Subcommittee B05.91 on Editorial and Publications.

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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.

D828 Test Method for Tensile Properties of Paper and Paperboard Using Constant-Rate-of-Elongation Apparatus (Withdrawn 2009)³

D1974/D1974M Practice for Methods of Closing, Sealing, and Reinforcing Fiberboard Boxes

D3951 Practice for Commercial Packaging

D4444 Test Method for Laboratory Standardization and Calibration of Hand-Held Moisture Meters

D5118/D5118M Practice for Fabrication of Fiberboard Shipping Boxes

D5168 Practice for Fabrication and Closure of Triple-Wall Corrugated Fiberboard Containers

D5330/D5330M Specification for Pressure-Sensitive Tape for Packaging, Filament-Reinforced

D6251/D6251M Specification for Wood-Cleated Panelboard Shipping Boxes

D6254/D6254M Specification for Wirebound Pallet-Type Wood Boxes

F1667 Specification for Driven Fasteners: Nails, Spikes, and Staples

2.2 ANSI Standard:⁴

ANSI/ASQC Z1.4 Sampling Procedures and Tables for Inspection by Attributes

2.3 Federal Specifications:⁵

A-A-55057 Panels, Wood/Wood Base: Construction and Decorative

PPP-B-585 Boxes, Wood, Wirebound

PPP-B-621 Boxes, Wood, Nailed and Lock-Corner

PPP-B-1055 Barrier Material, Waterproofed, Flexible

PPP-D-705 Drum: Metal Shipping, Steel, (Over 12 and Under 55 Gallon)

PPP-D-723 Drums, Fiber

PPP-D-729 Drums: Metal, 55-Gallon (for Shipment of Non-corrosive Material)

³ The last approved version of this historical standard is referenced on www.astm.org.

⁴ Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, <http://www.ansi.org>.

⁵ Available from DLA Document Services, Building 4/D, 700 Robbins Ave., Philadelphia, PA 19111-5094, <http://quicksearch.dla.mil>.