



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

This standard is issued under the fixed designation B 900; 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.

This standard has been approved for use by agencies of the Department of Defense.

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 The values given in inch-pound units are regarded as standard. The SI units given in parentheses are for information only.

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 determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

- B 846 Terminology for Copper and Copper Alloys²
- D 143 Method of Testing Small Clear Specimens of Timber³
- D 779 Test Method for Water Resistance of Paper, Paperboard, and Other Sheet Materials by the Dry Indicator Method⁴
- D 828 Test Method for Tensile Properties of Paper and Paperboard Using Constant-Rate-of Elongation Apparatus⁴
- D 1974 Practice for Methods of Closing, Sealing, and Reinforcing Fiberboard Boxes⁴

D 3951 Practice for Commercial Packaging⁴

D 4444 Test Methods for Use and Calibration of Hand-Held Moisture Meters³

D 5118/D 5118M Practice for Fabrication of Fiberboard Shipping Boxes⁴

D 5168 Practice for Fabrication and Closure of Triple-Wall Corrugated Fiberboard Containers⁴

D 5330/D 5330M Specification for Pressure-Sensitive Tape for Packaging, Filament-Reinforced⁴

D 6251/D 6251M Specification for Natural Wood-Cleated Panelboard Shipping Boxes⁴

2.2 ANSI Standard:⁵

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

2.3 Federal Specifications:⁶

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

PPP-B-585 Boxes, Wood, Wirebound

PPP-B-587 Boxes, Wood, Wirebound Pallet Type

PPP-B-601 Boxes, Wood, Cleated-Plywood

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)

2.4 Military Standard:⁶

MIL-STD-129 Marking for Shipment and Storage

2.5 Military Publication:⁶

MIL-HDBK-774 Palletized Unit Loads

3. Terminology

3.1 For definitions of terms related to copper and copper alloys, refer to Terminology B 846.

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, Editorial. Current edition approved Oct. 10, 1999. Published February 2000.

² *Annual Book of ASTM Standards*, Vol 02.01.

³ *Annual Book of ASTM Standards*, Vol 04.10

⁴ *Annual Book of ASTM Standards*, Vol 15.09.

⁵ Available from American National Standards Institute, 11 W. 42nd St., 13th Floor, New York, NY 10036.

⁶ Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5094, Attn: NPODS.