Designation: D 6573/D 6573M – 01

Standard Specification for General Purpose Wirebound Shipping Boxes[1]

This standard is issued under the fixed designation D 6573/D 6573M; 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 specification covers the fabrication of new wirebound general purpose (GP) panelboard (hereafter referred to as wirebound boxes) shipping boxes intended for use as containers for domestic and overseas shipment of general materials and supplies, not exceeding 500 lb [226.8 kg] for class 1 domestic, 400 lb [181.4 kg] for Class 2 overseas shipments or 300 lb [136.0 kg] for Class 3 extreme distribution hazard conditions or military contingency purposes.

1.2 Wirebound box performance is dependent on its fabricated components; therefore, a variety of types, classes, styles, and treatments reflecting varied performance are specified. This specification does not cover wirebound box performance under all atmosphere, handling, shipping, and storage conditions. Wirebound boxes in compliance with Hazardous Material Modal Regulations or United States Code of Federal Regulations (CFRs) are found in the Supplementary Requirements.

1.3 The use of other construction methods or techniques are acceptable and shall be permitted, provided the resulting packaging systems are of equal or better performance than would result from the use of these specified materials and procedures. The appropriate Practice D 4169 distribution cycle(s) can be used to develop comparative procedures and criteria.

1.4 *Units*—The values stated in inch-pound units are to be regarded as standard. The SI values given in brackets are mathematical. The values stated in each system are not exact equivalents; therefore, each system must be used independently of the other. Combining values from the two systems may result in non-conformance with the standard. See IEEE/SI 10 for conversion of units.

1.5 *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:*

A 641 Specification for Zinc-Coated (Galvanized) Carbon Steel Wire[2]

A 777 Specification for Galvanized Round Steel Tying Wire[3]

D 996 Terminology of Packaging and Distribution Environments[4]

D 1990 Practice for Establishing Allowable Properties for Visually-Graded Dimension Lumber from In-Grade Tests of Full-Size Specimens[5]

D 3953 Specification for Strapping, Flat Steel and Seals[4]

D 4169 Practice for Performance Testing of Shipping Containers and Systems[4]

D 6199 Practice for Quality of Wood Members of Containers and Pallets[4]

D 6254/D 6254M Specification for Wirebound Pallet-Type Wood Boxes[4]

F 1667 Specification for Driven Fasteners: Nails, Spikes and Staples[6]

IEEE/ASTM SI 10 Standard for Use of the International System of Units (SI) (the Modern Metric System)[7]

2.2 *Federal Specification:*

Fed-Std-123 Federal Standard Marking for Shipment (Civil Agencies)[8]

2.3 *Military Specification:*

MIL-HDBK-129 Department of Defense Handbook Military Marking[9]

2.4 *National Motor Freight Traffic Association Standard:*

National Motor Freight Classification[10]

2.5 *APA—The Engineered Wood Association Standard:*

[1] This specification is under the jurisdiction of ASTM Committee D10 on Packaging and is the direct responsibility of Subcommittee D10.26 on Wooden Crates, Pallets, and Skids.

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[2] *Annual Book of ASTM Standards*, Vol 01.06.

[3] Discontinued. See *1995 Annual Book of ASTM Standards*, Vol 01.06.

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

[5] *Annual Book of ASTM Standards*, Vol 04.10.

[6] *Annual Book of ASTM Standards*, Vol 01.08.

[7] *Annual Book of ASTM Standards*, Vol 14.02.

[8] Available from Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

[9] Available from Standardization Documents Order Desk, Bldg. 4, Section D, 700 Robbins Ave., Philadelphia, PA 19111–5094, Attn: NPODS.

[10] Available from the National Motor Freight Traffic Association, American Trucking Associations, 2200 Mill Road, Alexandria, VA 22314.

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