



Standard Specification for Copper Sheet and Strip for Building Construction¹

This standard is issued under the fixed designation B 370; 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 specification establishes the requirements for rolled copper sheet and strip in flat lengths or coils in ounce-weight thicknesses for roofing, flashing, gutters, downspouts, and general sheet metal work in building construction.

1.1.1 Products produced to this specification are not intended for electrical applications.

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 that are provided for information only and are not considered standard.

NOTE 1—Specification B 101 is an associated specification for lead-coated copper sheets and strip for building construction.

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:²

B 101 Specification for Lead-Coated Copper Sheet and Strip for Building Construction

B 248 Specification for General Requirements for Wrought Copper and Copper-Alloy Plate, Sheet, Strip, and Rolled Bar

B 601 Classification for Temper Designations for Copper and Copper Alloys—Wrought and Cast

B 846 Terminology for Copper and Copper Alloys

E 3 Practice for Preparation of Metallographic Specimens

E 8 Test Methods for Tension Testing of Metallic Materials

E 53 Test Methods for Determination of Copper in Unalloyed Copper by Gravimetry
E 112 Test Methods for Determining Average Grain Size
E 255 Practice for Sampling Copper and Copper Alloys for Determination of Chemical Composition
E 478 Test Methods for Chemical Analysis of Copper Alloys

3. General Requirements

3.1 The following sections of Specification B 248 constitute a part of this specification:

- 3.1.1 Terminology,
- 3.1.2 Materials and Manufacture,
- 3.1.3 Workmanship, Finish, and Appearance,
- 3.1.4 Specimen Preparation,
- 3.1.5 Test Methods,
- 3.1.6 Significance of Numerical Limits,
- 3.1.7 Inspection,
- 3.1.8 Certification,
- 3.1.9 Mill Test Report,
- 3.1.10 Packaging and Package Marking, and
- 3.1.11 Supplementary Requirements.

3.2 In addition, when a section with a title identical to that referenced in 3.1, above, appears in this specification, it contains additional requirements, which supplement those appearing in Specification B 248.

4. Terminology

4.1 *Definitions*—For definitions of terms related to copper and copper alloys, refer to Terminology B 846.

4.1.1 *coil, n*—a length of the product wound into a series of connected turns.

4.1.1.1 *Discussion*—The unqualified term “coil” as applied to “flat product” usually refers to a coil in which the product is spirally wound, with the successive layers on top of one another (sometimes called a “roll”).

4.1.2 *lengths, mill, n*—straight lengths, including ends, that are to be manufactured conveniently in the mills.

4.1.2.1 *Discussion*—Full length pieces usually are 8 or 10 ft (2.4 or 3.0 m) and subject to established length tolerances.

¹ This specification is under the jurisdiction of ASTM Committee B05 on Copper and Copper Alloys and is the direct responsibility of Subcommittee B05.01 on Plate, Sheet, and Strip.

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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.

