



Standard Specification for Rolled Zinc¹

This standard is issued under the fixed designation B 69; 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 (€) indicates an editorial change since the last revision or reapproval.

^{€1} NOTE—The caveat in section 1.4 and section 3. Terminology were added editorially in December 2000. The UNS number for Zinc-Lead Rolled Alloy was corrected editorially in December 2000.

1. Scope

1.1 This specification covers two types of commercial rolled zinc as described in 1.2. It should be understood that the specification is general. Any closer limitations on permissible variations shall be a matter of agreement between the supplier (manufacturer) and the purchaser.

1.2 Rolled zinc is furnished in two types as follows:

1.2.1 *Type I* - Coils or sheets cut from strip (ribbon) rolled zinc and

1.2.2 *Type II* - Zinc plates such as boiler and hull plates produced by any rolling method.

1.3 The values stated in inch-pound units are to be regarded as the standard. The values given in parentheses are for information only.

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 become familiar with all hazards including those identified in the appropriate Material Data Sheet for this product/material as provided by the manufacturer, to establish appropriate safety and health practices, and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 The issue of each of the following reference documents shall be that which is current on the date the purchase order is accepted by the supplier (manufacturer).

2.2 *ASTM Standards:*

B 899 Terminology Relating to Non-ferrous Metals and Alloys²

E 8 Test Methods for Tension Testing of Metallic Materials³

E 18 Test Methods for Rockwell Hardness and Rockwell Superficial Hardness of Metallic Materials³

E 29 Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications⁴

E 55 Practice for Sampling Wrought Nonferrous Metals and Alloys for Determination of Chemical Composition⁵

E 60 Practice for Photometric and Spectrophotometric Methods for Chemical Analysis of Metals⁵

E 88 Practice for Sampling Nonferrous Metals and Alloys in Cast Form for Determination of Chemical Composition⁵

E 384 Test Method for Microhardness of Materials³

E 527 Practice for Numbering Metals and Alloys (UNS)⁶

E 536 Test Method for Chemical Analysis of Zinc and Zinc Alloys⁷

E 634 Practice for Sampling of Zinc and Zinc Alloys for Optical Emissions Spectrochemical Analysis⁷

3. Terminology

3.1 Terms shall be defined in accordance with Terminology B 899.

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *coiled sheet*—sheet coils with either slit or unslit edges.

3.2.2 *flat sheet*—sheet with sheared, slit, or sawed edges that has been flattened or leveled.

3.2.3 *plate*—rolled product, rectangular in cross section and form, or thickness of more than 0.125 in. (3.175 mm) with either untrimmed, sheared or sawed edges.

3.2.4 *sheet*—rolled product, rectangular in cross section and form of thickness of 0.003 in. (0.076 mm) through 0.125 in. (3.175 mm) with sheared, slit, untrimmed or sawed edges.

4. Ordering Information

4.1 Orders for materials under this specification shall include the following information:

4.1.1 ASTM designation and year of issue,

4.1.2 Quantity (weight),

4.1.3 Name of material (rolled zinc),

4.1.4 Type of rolled zinc,

4.1.5 Dimensions (thickness, width, length, or coil),

4.1.6 Chemical composition/alloy, and

4.1.7 Others as agreed upon between the purchaser and the supplier.

¹ This specification is under the jurisdiction of ASTM Committee B-2 on Nonferrous Metals and Alloys and is the direct responsibility of Subcommittee B02.04 on Zinc and Cadmium.

Current edition approved October 10, 1998. Published December 1998. Originally published as B 69-26. Last previous edition B 69-98.

² *Annual Book of ASTM Standards*, Vol 02.04.

³ *Annual Book of ASTM Standards*, Vol 03.01.

⁴ *Annual Book of ASTM Standards*, Vol 14.02.

⁵ *Annual Book of ASTM Standards*, Vol 03.05.

⁶ *Annual Book of ASTM Standards*, Vol 01.01.

⁷ *Annual Book of ASTM Standards*, Vol 03.06.