Designation: B908 – 03 (Reapproved 2008)

Standard Practice for the Use of Color Codes for Zinc Casting Alloy Ingot[1]

This standard is issued under the fixed designation B908; 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 standard is published with the following objectives:

1.2 To establish standard color codes for the Zinc Die Casting and Foundry industry, and

1.3 To standardize the use and application of these color codes.

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 Safety Data Sheet (MSDS) 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 following documents of the issue in effect on date of order acceptance form a part of this specification to the extent referenced herein:

2.2 *ASTM Standards:*[2]

B240 Specification for Zinc and Zinc-Aluminum (ZA) Alloys in Ingot Form for Foundry and Die Castings

B275 Practice for Codification of Certain Nonferrous Metals and Alloys, Cast and Wrought

B327 Specification for Master Alloys Used in Making Zinc Die Casting Alloys

B792 Specification for Zinc Alloys in Ingot Form for Slush Casting

B793 Specification for Zinc Casting Alloy Ingot for Sheet Metal Forming Dies and Plastic Injection Molds

B892 Specification for ACuZinc5 (Zinc-Copper-Aluminum) Alloy in Ingot Form for Die Castings

B899 Terminology Relating to Non-ferrous Metals and Alloys

E527 Practice for Numbering Metals and Alloys in the Unified Numbering System (UNS)

2.3 *ISO Standard:*

ISO 301 Zinc alloy ingots intended for casting, 1981-05-15[3]

2.4 *CEN Standard:*

EN 1774 Zinc and zinc alloys—Alloys for foundry purposes—Ingot and liquid, September 1997[4]

3. Terminology

3.1 Terms shall be defined in accordance with Terminology B899.

4. Significance and Use

4.1 The purpose of these color codes is to allow for quick identification of ingot bundles or jumbo ingots of zinc casting alloys. Other than jumbo ingots, this standard is not intended to imply that each ingot will be color-coded but only that each ingot bundle be color coded.

4.2 Each ingot bundle or jumbo ingot shall be identified with the appropriate color code listed in Table 1.

4.3 The color will be applied as a stripe, or stripes, on two adjacent sides of the ingot bundle or jumbo ingot. The color stripes will be applied to include the ingot bundle foot.

4.4 When using multiple stripes, the colored stripes will be applied from left to right as indicated in Table 1.

4.5 In the absence of a written agreement to the contrary between the supplier and end user, the North American color code will be the standard for all North American transactions; for all other transactions the International Color Code will be used.

5.

6. Keywords

6.1 ACuZinc; ACuZinc5; color; color code; Kirksite; Kirksite A; Kirksite B; non-ferrous metals; Zamak; Zamak 2; Zamak 3; Zamak 5; Zamak 7; zinc; zinc alloys; zinc-aluminum alloys; zinc-copper-aluminum alloys

[1] Precision and Bias This practice is under the jurisdiction of ASTM Committee B02 on Nonferrous Metals and Alloys and Alloys and is the direct responsibility of Subcommittee B02.04 on Zinc and Cadmium.

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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.

[3] "English Version" available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, http://www.ansi.org.

[4] "English Version" available from Global Engineering Documents, 15 Inverness Way, East Englewood, CO 80112-5704, http://global.ihs.com.