



Standard Practice for the Use of Color Codes for Zinc Casting Alloy Ingot¹

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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.

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:

- B 240 Standard Specification for Zinc and Zinc-Aluminum (ZA) Alloys in Ingot Form for Foundry and Die Castings²
- B 275 Practice for Codification of Certain Nonferrous Metals and Alloys, Cast and Wrought³
- B 327 Standard Specification for Master Alloys Used in Making Zinc Die Casting Alloys²
- B 792 Standard Specification for Zinc Alloys in Ingot Form for Slush Casting²
- B 793 Standard Specification for Zinc Casting Alloy Ingot for Sheet Metal Forming Dies and Plastic Injection Molds²
- B 892 Standard Specification for Zinc-Copper-Aluminum Alloys in Ingot Form for Die Castings²
- B 899 Terminology Relating to Non-ferrous Metals and Alloys²
- E 527 Practice for Numbering Metals and Alloys (UNS)⁴

2.3 ISO Standard:

- ISO 301, Zinc alloy ingots intended for casting, 1981-05-15⁵

2.4 CEN Standard:

- EN 1774, Zinc and zinc alloys—Alloys for foundry purposes—Ingot and liquid, September 1997⁶

3. Terminology

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

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. Keywords

5.1 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 This practice is under the jurisdiction of ASTM Committee B02 on Nonferrous Metals and Alloys and is the direct responsibility of Subcommittee B02.04 on Zinc and Cadmium.

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² Annual Book of ASTM Standards, Vol. 02.04.

³ Annual Book of ASTM Standards, Vol 02.02.

⁴ Annual Book of ASTM Standards, Vol. 01.01.

⁵ "English Version" available from American National Standards Institute (ANSI), 11 West 42nd St. New York, NY 10036.

⁶ "English Version" available from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112.

