



Designation: A 1003/A 1003M – 00

Standard Specification for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-Formed Framing Members¹

This standard is issued under the fixed designation A 1003/A 1003M; 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 coated steel sheet used in the manufacture of cold-formed framing members, such as, but not limited to, studs, joists, purlins, girts, and track.

1.2 The steel sheet used for cold-formed framing members includes metallic-coated, painted metallic-coated, or painted nonmetallic-coated.

1.3 The values stated in either inch-pound or SI units shall be regarded separately as standard. Within the text, SI units are shown in brackets. The values stated in each system are not exact equivalents; therefore, each system shall be used independently of the other.

1.4 Unless the order specifies the “M” designation [SI units], the product shall be furnished to inch-pound units.

1.5 The text of this specification references notes and footnotes, which provide explanatory material. These notes and footnotes, excluding those in tables and figures, shall not be considered as requirements of this specification.

2. Referenced Documents

2.1 ASTM Standards:

A 568/A 568M Specification for Steel Sheet, Carbon, and High-Strength Low-Alloy, Hot-Rolled and Cold-Rolled, General Requirements for²

A 653/A 653M Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvanealed) by the Hot-Dip Process³

A 755/A 755M Specification for Steel Sheet, Metallic-Coated by the Hot-Dip Process and Prepainted by the Coil-Coating Process for Exterior Exposed Building Products³

A 792/A 792M Specification for Steel Sheet, 55 % Aluminum-Zinc Alloy-Coated by the Hot-Dip Products³

A 875/A 875M Specification for Steel Sheet, Zinc-5 % Aluminum Alloy-Coated by the Hot-Dip Process³

A 902 Terminology Relating to Metallic-Coated Steel Products³

A 924/A 924M Specification for General Requirements for

Steel Sheet, Metallic-Coated by the Hot-Dip Process³

A 941 Terminology Relating to Steel, Stainless Steel, Related Alloys, and Ferroalloys⁴

A 1004/A 1004M Practice for Establishing Conformance to the Minimum Expected Corrosion Characteristics of Metallic, Painted-Metallic, and Nonmetallic-Coated Steel Sheet Intended for Use as Cold-Formed Framing Members³

C 645 Specification for Nonstructural Framing Members

C 955 Specification for Load-Bearing (Transverse and Axial) Steel Studs, Runners (Tracks), and Bracing or Bridging for Screw Application of Gypsum Board and Metal Plaster Bases⁵

D 714 Test Method for Evaluating Degree of Blistering of Paints⁶

D 1005 Test Methods for Measurement of Dry-Film Thickness of Organic Coatings Using Micrometers⁶

D 1654 Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments⁶

D 4138 Test Method for Measurement of Dry-Film Thickness of Protective Coating Systems by Destructive Means⁷

D 4145 Test Method for Coating Flexibility of Prepainted Sheet⁷

2.2 ISO Standard:

ISO 9223 Corrosion of Metals and Alloys—Corrosivity of Atmospheres-Classification⁸

2.3 AISI Standard:

Specification for the Design of Cold-Formed Steel Structural Members⁹

3. Terminology

3.1 *Definitions*—See Terminology A 902 for definitions of general terminology relating to metallic-coated steel products, and Terminology A 941 for definitions of general terminology relating to uncoated steel sheet products.

3.2 *Definitions of Terms Specific to This Standard:*

⁴ Annual Book of ASTM Standards, Vol 01.01.

⁵ Annual Book of ASTM Standards, Vol 04.01.

⁶ Annual Book of ASTM Standards, Vol 06.01.

⁷ Annual Book of ASTM Standards, Vol 06.02.

⁸ Available from American National Standards Institute, 11 W. 42nd St., 13th Floor, New York, NY 10036.

⁹ Available from American Iron and Steel Institute, 1133 15th St., Suite 300, Washington, DC 20005-2701.

¹ This specification is under the jurisdiction of ASTM Committee A-05 on Metallic-Coated Iron and Steel Products and is the direct responsibility of Subcommittee A05.11 on Sheet Specifications.

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² Annual Book of ASTM Standards, Vol 01.03.

³ Annual Book of ASTM Standards, Vol 01.06.