



Designation: A625/A625M – 13 (Reapproved 2024)

Standard Specification for Tin Mill Products, Black Plate, Single-Reduced¹

This standard is issued under the fixed designation A625/A625M; 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 U.S. Department of Defense.

1. Scope

1.1 This specification covers single-reduced black plate produced from low carbon, cold-reduced steel, furnished in coils and cut sizes, for use in the manufacture of containers, closures, signs, toys and other products, as well as for plating applications.

1.2 It may be supplied dry or oiled and with or without surface treatment. This product is normally supplied with a trimmed edge.

1.3 This specification is applicable to orders in either inch-pound units (as A625), which is supplied in thicknesses from 135-lb base weight (0.0149 in.) and lighter, or SI units (as A625M), which is supplied in thicknesses from 0.378 mm and lighter.

1.4 The values stated in either inch-pound or SI units are to be regarded as standard. Within the text, the SI units are shown in brackets. The values stated in each system are not exact equivalents; therefore, each system must be used independently of the other. Combining values from the two systems may result in nonconformance with this specification.

1.5 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards:*²

[A623 Specification for Tin Mill Products, General Requirements](#)

¹ This specification is under the jurisdiction of ASTM Committee A01 on Steel, Stainless Steel and Related Alloys and is the direct responsibility of Subcommittee A01.20 on Tin Mill Products.

Current edition approved March 1, 2024. Published March 2024. Originally approved in 1968. Last previous edition approved in 2018 as A625/A625M – 13 (2018). DOI: 10.1520/A0625_A0625M-13R24.

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.

[A623M Specification for Tin Mill Products, General Requirements \[Metric\]](#)

3. Ordering Information

3.1 Orders for product under this specification shall include the following information, as required and applicable, to adequately describe the desired materials.

3.1.1 Name of product (single-reduced black plate).

3.1.2 Surface appearance and finish (Section 4).

3.1.2.1 Dry.

3.1.2.2 Oiled (type of oil; mineral or suitable for lithographing) (Section 5).

3.1.2.3 Chemically treated and oiled (see Specification A623 or Specification A623M).

3.1.3 Thickness (see Specification A623 or Specification A623M).

3.1.4 Width.

3.1.5 Length, for cut sizes only.

3.1.6 Rolling direction must be specified by underlining the steel (rolling width) for cut sizes.

3.1.7 Steel type (see Specification A623 or Specification A623M).

3.1.8 Mechanical designation requirements (see Specification A623 or Specification A623M).

3.1.9 Intended application.

3.1.10 Quantity, in base boxes [SITAs] (see Note 5).

3.1.11 On coils, specify minimum of range or acceptable inside diameters. The standard inside diameter is approximately 16 in. if ordered to Specification A625 [410 mm if ordered to Specification A625M]. Coils should be specified to a maximum coil weight if ordered to Specification A625 [mass if ordered to Specification A625M] or maximum outside diameter, or both.

3.1.12 Packaging.

3.1.13 ASTM specification designation and year of issue.

3.1.14 Special requirements, where applicable.

NOTE 1—A typical ordering description is as follows: 1000 Base Boxes, Single-Reduced Black Plate, oiled, 80 lb base weight, 30 in. by coil, MR, T5CA for lithographed can bodies to ASTM A625/A625M - XX. [600 SITAs, Single-Reduced Black Plate, oiled, 0.25 mm, 810 mm by coil, MR, T5CA for lithographed can bodies to Specification A625/A625M.

NOTE 2—A typical ordering description for cut sizes is as follows: 500 Base Boxes, Single Reduced Black Plate, oiled, 80 lb base weight MR, T-2