



Designation: ~~F1344 – 21~~ F1344 – 21a

Standard Specification for Rubber Floor Tile¹

This standard is issued under the fixed designation F1344; 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 requirements for the compound and physical characteristics of rubber floor tile.

1.2 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

1.3 The following precautionary statement applies only to the test method portion, Section 7, of this specification. *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 establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.4 *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 The following documents of the issue in effect on the date of this material purchase form a part of this specification to the extent referenced herein:

2.2 *ASTM Standards:*²

D883 Terminology Relating to Plastics

D1566 Terminology Relating to Rubber

D2240 Test Method for Rubber Property—Durometer Hardness

D3389 Test Method for Coated Fabrics Abrasion Resistance (Rotary Platform Abrader)

F141 Terminology Relating to Resilient Floor Coverings

F373 Test Method for Embossed Depth of Resilient Floor Coverings

F386 Test Method for Thickness of Resilient Flooring Materials Having Flat Surfaces

F410 Test Method for Wear Layer Thickness of Resilient Floor Coverings by Optical Measurement

F710 Practice for Preparing Concrete Floors to Receive Resilient Flooring

F925 Test Method for Resistance to Chemicals of Resilient Flooring

F970 Test Method for Measuring Recovery Properties of Floor Coverings after Static Loading

¹ This specification is under the jurisdiction of ASTM Committee F06 on Resilient Floor Coverings and is the direct responsibility of Subcommittee F06.80 on Specifications.

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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.

[F1482 Practice for Installation and Preparation of Panel Type Underlayments to Receive Resilient Flooring](#)
[F1514 Test Method for Measuring Heat Stability of Resilient Flooring by Color Change](#)
[F2055 Test Method for Size and Squareness of Resilient Floor Tile by Dial Gauge Method](#)
[F2199 Test Method for Determining Dimensional Stability and Curling Properties of Resilient Flooring after Exposure to Heat](#)

2.3 *ANSI Standards:*

[ANSI/ASQC Z1.4 Sampling Procedures and Tables for Inspection by Attributes](#)³

3. Terminology

3.1 *Definitions*—For definitions of other terms used in this standard, see Terminology [F141](#).

4. Classification

4.1 Rubber floor tile covered by this specification shall be classified as:

- Type I—Homogeneous Rubber Floor Tile
 - A. Solid Color
 - B. Through Mottled
- Type II—Heterogeneous (Layered) Rubber Floor Tile
 - A. Solid Color Wear Layer
 - B. Mottled Wear Layer
- Grade—Based on Shore A durometer hardness
 - Grade 1 \geq 85
 - Grade 2 \geq 70 but less than 85

4.2 The tile in [4.1](#) may have either smooth, embossed, or molded pattern wearing surfaces.

4.3 These products shall not contain asbestos.

5. Ordering Information

5.1 Purchaser shall state whether this specification is to be used, select the preferred options permitted herein, and include the following information in the invitation to bid or purchase order:

- 5.1.1 Title, number, and date of this specification. [ASTM F1344-21a](#)
[/catalog/standards/astm/4303cda6-8a9a-409c-81c3-6d399e951a5f/astm-f1344-21a](#)
- 5.1.2 Type, color, pattern, and wearing surface (see Sections [44](#) and [6](#) and [6](#)).
- 5.1.3 Quantity, in square feet, square meters, or cartons.
- 5.1.4 Size required (see [8.4](#)).
- 5.1.5 Thickness required (see [8.3](#)).
- 5.1.6 Overall thickness, if molded pattern tile is specified (see [8.1](#)).
- 5.1.7 Base thickness, if molded pattern tile is specified (see [8.2](#)).
- 5.1.8 Resistance to chemicals (see [7.4](#)).
- 5.1.9 Lot formation, if other than as specified in ANSI/ASQC Z1.4 (see Sections [10](#) and [11](#)).
- 5.1.10 Sampling, if other than as specified in ANSI/ASQC Z1.4 (see Sections [10](#) and [11](#)).
- 5.1.11 Statement requesting certification, if certification of compliance is required (see Section [12](#)).
- 5.1.12 Packaging and packing requirements, if other than as specified (see Section [14](#)).

³ Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, <http://www.ansi.org>.