



Standard Specification for Sheet Linoleum Floor Covering¹

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1. Scope

1.1 This specification covers sheet linoleum floor covering.

1.2 Three types of linoleum floor covering are covered (see Section 4). These floor coverings are intended for use in commercial, light commercial, and residential buildings based on serviceability characteristics. General information and performance characteristics, which determine serviceability and recommended use, are included in this specification.

1.3 The values stated in inch-pound units are to be regarded as the standard; the values in parentheses are provided for information only.

1.4 The following safety hazards caveat pertains only to the test methods portion, Section 11, 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 and health practices and to determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

F 137 Test Methods for Flexibility of Resilient Flooring Materials with Cylindrical Mandrel Apparatus²

F 141 Terminology Relating to Resilient Floor Coverings²

F 150 Test Method for Electrical Resistance of Conductive and Static Dissipative Resilient Flooring²

F 386 Test Method for Thickness of Resilient Flooring Materials Having Flat Surfaces²

F 410 Test Method for Wear Layer Thickness of Resilient Floor Covering by Optical Measurement²

F 710 Practice for Preparing Concrete Floors and other Monolithic Floors to Receive Resilient Flooring²

F 925 Test Method for Resistance to Chemicals of Resilient Flooring²

F 970 Test Method for Static Load Limit²

F 1482 Guide to Wood Underlayment and Preparation of the Surface to Receive Resilient Flooring²

F 1514 Test Method for Measuring Heat Stability of Resilient Flooring by Color Change²

F 1515 Test Method for Measuring Light Stability of Resilient

Flooring by Color Change²

F 1516 Practice for Sealing Seams of Resilient Flooring Products by the Heat Weld Method²

2.2 European Norms:

EN 670 Identification and Composition of Linoleum—Determination of Cement and Ash Residue³

2.3 American National Standard:

ANSI/ASQC Z1.4 Sampling Procedures and Tables for Inspection by Attributes⁴

3. Terminology

3.1 Definitions:

3.1.1 *drying room film*—yellowish film formed on the surface of the linoleum during the oxidation process, which will disappear when exposed to either natural or artificial light to give a stable color in service; it may reappear or not disappear in areas not exposed to light.

3.1.2 *linoleum*—a surfacing material composed of either a solidified mixture of linseed oil, pine rosin, fossil, or other resins or rosins, or an equivalent oxidized oleoresinous binder, ground cork, wood flour, mineral fillers, and pigments bonded to a fibrous or other suitable backing.

3.1.3 *linoleum cement*—the binder in linoleum consisting of a mixture of linseed oil, pine rosin, fossil, or other resins or rosins, or an equivalent oxidized oleoresinous binder.

3.1.4 *rosin*—a translucent amber to almost black brittle friable resin that is obtained by chemical means from the oleresin dead wood of pine trees or from tall oil.

3.1.5 For additional definitions, refer to Terminology F 141.

4. Classification

4.1 The floor coverings shall be of the following types:

Type I — Linoleum sheet with backing

Type II — Static dissipative linoleum sheet with backing

Type III — Linoleum sheet with special backing

5. Ordering Information

5.1 Linoleum sheet shall be ordered by type, class, thickness, and other characteristics important to the purchaser for the intended use.

5.1.1 Title, number, and date of this specification.

5.1.2 Type, class, and pattern number.

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

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² *Annual Book of ASTM Standards*, Vol 15.04.

³ Available from CEN European Committee for Standardization—Central Secretariat: rue de Stassart, 36 B-1050, Brussels.

⁴ Available from American National Standards Institute, 11 West 42nd St., 13th Floor, New York, NY 10036.