



Standard Specification for Sheet Vinyl Floor Covering with Backing¹

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1. Scope

1.1 This specification covers floor covering having a vinyl plastic wear layer with backing. Products may also contain non-PVC specialty performance top layer(s) or intermediate layer(s), or both.

1.2 Two types of floor covering based on binder content are covered. The floor covering is intended for use in commercial, light commercial, and residential buildings based on serviceability characteristics. General information and performance characteristics that 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 given in parentheses are 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 determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

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

F 141 Terminology Relating to Resilient Floor Coverings²

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

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

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

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 Annual Book of ASTM Standards, Vol 15.04.

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 Products Available for Use Under Resilient Flooring²

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

F 1515 Test Method for Measuring Light Stability of Resilient Vinyl Flooring by Color Change²

2.2 Government Standards:

L-F-475A(1) Federal Specification for Floor Covering, Vinyl Surface (Tile and Roll) with Backing³

L-F-001641A(2) Interim Federal Specification for Floor Covering Translucent or Transparent Vinyl Surface with Backing³

Fed. Std. No. 501a (notice 1) Federal Test Method Standard for Floor Covering, Resilient, Non-Textile, Sampling and Testing³

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 *wear layer*—the portion of a resilient floor covering that contains or protects the pattern effect. The wear layer does not include temporary finishes or maintenance coatings.

3.1.2 For additional definitions refer to Terminology F 141.

4. Classification

4.1 Sheet vinyl floor covering shall conform to the following types, grades, and backing classes.

4.1.1 *Types*—Types shall be classified by the PVC wear layer's binder content (vinyl resins, plasticizers, and stabilizers). Non-PVC compositions (specialty performance layer(s))

³ Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5094, Attn: NPODS.

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