



Designation: F 1482 – 03

Standard Practice for Installation and Preparation of Panel Type Underlayments to Receive Resilient Flooring¹

This standard is issued under the fixed designation F 1482; 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 reappraisal. A superscript epsilon (ε) indicates an editorial change since the last revision or reappraisal.

1. Scope

1.1 This practice includes recommendations for wood based, fiber reinforced gypsum and fiber-cement panel underlayment/subfloor assemblies upon which resilient flooring may be installed.

1.2 This practice does not cover the adequacy of the subfloor assembly to perform its structural requirements, which is governed by local building codes.

1.3 This practice does not supersede in any manner the resilient flooring, underlayment or adhesive manufacturer's written instructions. Consult the individual resilient flooring, underlayment or adhesive manufacturer for specific recommendations.

1.4 See Supplementary Requirements for "Select Warnings" that have been provided.

1.5 The values stated in inch/pound units are to be regarded as standard; the metric units in parentheses are for reference only.

1.6 *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:

C 1278/C 1278M Specification for Fiber-Reinforced Gypsum Panel²

C 1288 Specification for Discrete Non-Asbestos Fiber-Cement Interior Substrate Sheets³

F 141 Terminology Relating to Resilient Floor Coverings⁴

2.2 ANSI Standards:

ANSI/A208.1-1998 Particleboard⁵

ANSI/AHA A135.4-1995 Basic Hardboard⁵

2.3 NIST Standards:

Voluntary Product Standard PS1-95 for Construction and Industrial Plywood⁶

Voluntary Product Standard PS2-92 for Wood-Based Structural-Use Panels⁶

2.4 Other Documents:

APA Engineered Wood Construction Guide, Form E30⁷

APA Installation and Preparation of Plywood Underlayment for Resilient Flooring, Form L335⁷

Resilient Floor Covering Institute (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings (January 1998)⁸

Lead-Based Paint: Interim Guidelines for Hazard Identification and Abatement in Public and Indian housing (1991 revised)⁹

3. Terminology

3.1 Definitions used in this standard shall be in accordance with Terminology F 141.

3.2 Definitions of Terms Specific to This Standard:

3.2.1 *fully adhered flooring*—resilient flooring which has adhesive under the entire product, bonding it to the underlayment surface.

3.2.2 *non fully adhered flooring*—resilient flooring that may be loose laid, in which no adhesive is utilized, or partially bonded to the surface of the underlayment, typically at seams or the surrounding perimeter, or both, of the product.

4. Significance and Use

4.1 This practice provides minimum recommendations for the installation and preparation of wood-based, fiber-reinforced gypsum and fiber-cement panel underlayments suitable to receive resilient floor coverings. Actual requirements for materials to be used, mixtures, and other details are generally

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² Annual Book of ASTM Standards, Vol 04.01.

³ Annual Book of ASTM Standards, Vol 04.05.

⁴ Annual Book of ASTM Standards, Vol 15.04.

⁵ Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, www.ansi.org.

⁶ Available from National Institute of Standards and Technology (NIST), 100 Bureau Dr., Stop 3460, Gaithersburg, MD 20899-3460, www.nist.gov.

⁷ APA—The Engineered Wood Association, P.O. Box 11700, Tacoma, WA 98411-0700, www.apawood.org.

⁸ Resilient Floor Covering Institute, 401 E. Jefferson Suite 102 Rockville, MD 20850, www.rfci.com.

⁹ U.S. Department of Housing & Urban Development, Washington, DC, www.hud.gov.