



Standard Test Method for Visual Rating of Appearance of Resilient Floors After In- Service Exposure to Foot Traffic¹

This standard is issued under the fixed designation F1037; 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.

^{ε1} NOTE—Editorial changes were made in June 2016.

1. Scope

1.1 This test method is intended to provide a numerical rating system for classification of resilient floors during the various stages of their wear life in relation to their condition, as perceived by a knowledgeable user.

1.2 *This standard does not purport to address all of the safety problems, 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.*

1.3 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.

2. Referenced Documents

2.1 *ASTM Standards:*²

D1436 Test Methods for Application of Emulsion Floor
Polishes to Substrates for Testing Purposes

F141 Terminology Relating to Resilient Floor Coverings

3. Terminology

3.1 *Definitions of Terms Specific to This Standard:*

3.1.1 *surface texture*—surface imperfections such as deep scratches, indents, or changes in embossing texture.

4. Significance and Use

4.1 Ratings are developed by subjective, comparative, evaluation of exposed samples to original unexposed specimens of those parameters experience has shown to be the most important in the consumers' minds in evaluating the perfor-

mance of a walking surface. These parameters are a change in gloss, color, surface texture, alterations to pattern and restorability of appearance with normal maintenance procedures, including the use of finishes or buffing. Rating is done by a panel of qualified observers under specified lighting conditions in accordance with prescribed procedures.

5. Apparatus

5.1 *Buffing Machine*, residential, equipped with single or double brush (pad), soft fiber polishing brushes, and lamb's wool pads. When equipped with polishing brushes, the unit should deliver a nominal lineal velocity (loaded) of 1100 to 1400 ft/min (each brush) and a Dwell ratio of 190 to 210 ft² (17 to 19 m²) per min at a pressure of 0.40 to 0.50 psi. When equipped with buffing pads, the unit shall deliver a nominal lineal velocity (loaded) of 1100 to 1400 lineal fpm (each pad) and a Dwell ratio of 500 to 550 ft² (45 to 50 m²) per min at a pressure of 0.15 to 0.20 psi (see note).

5.2 *Scrub Brush*, approximately 2½ by 7 in. (63 by 178 mm) with nylon bristles approximately 1¼ in. (32 mm) long.

5.3 *Cellulose Sponge*, approximate dry dimension 8 by 4¼ by 1 in. (203 by 108 mm).

6. Reagent

6.1 *Cleaning Solution*, shall be as recommended by the flooring manufacturer and shall be prepared in sufficient quantity in accordance with the manufacturer's instructions.

NOTE 1—For flooring test specimens maintained with polish, the cleaning solution shall be capable of removing the polish.

7. Sampling, Test Specimens, and Test Units

7.1 Specimen size can vary as desired. A typical size panel would be 24 by 24 in. (610 by 610 mm) and contain four 12 by 12 in. (305 by 305 mm) similar or different panels to be tested. In addition, a companion specimen must be retained and stored in a location where its appearance will not be altered. This specimen will be used for comparison purposes throughout the test cycle. Each sample is to be cleaned in accordance with the washing procedure in 8.1. The finish procedure shall be followed on all resilient flooring samples designed to be

¹ This test method is under the jurisdiction of ASTM Committee F06 on Resilient Floor Coverings and is the direct responsibility of Subcommittee F06.30 on Test Methods - Performance.

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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.