



## Designation: ~~D3206 – 08 (Reapproved 2015)~~ D3206 – 17

# Standard Test Method for Soil Resistance of Floor Polishes<sup>1</sup>

This standard is issued under the fixed designation D3206; 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 ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

## 1. Scope

1.1 This test method covers the determination of soil resistance of floor polishes on test tile only. A carpet covered roller is used to simulate the action of foot traffic. A synthetic soil is employed in conjunction with the roller.

1.2 *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.*

1.3 *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 *ASTM Standards:*<sup>2</sup>

[D1436 Test Methods for Application of Emulsion Floor Polishes to Substrates for Testing Purposes](#)

[D3153 Test Method for Recoatability of Water-Emulsion Floor Polishes](#)

[E97 Method of Test for Directional Reflectance Factor, 45-Deg 0-Deg, of Opaque Specimens by Broad-Band Filter Reflectometry \(Withdrawn 1991\)](#)<sup>3</sup>

## 3. Significance and Use

3.1 This test method measures the ability of a floor polish to resist soiling by a standard soil that approximates dirt carried in from the outside.

## 4. Apparatus

4.1 *Official Vinyl Composition Tile (OVCT)*<sup>4</sup>—white, 304.8 by 304.8 mm (12 by 12 in.).

4.2 *Washability Apparatus*—The Gardner straight line washability machine.

4.3 *Roller*.<sup>4</sup>

4.4 *Carpeting*.<sup>5</sup>

4.5 *Standard Soiling Compound*—A soiling compound, such as AATCC (American Association of Textile Colorist and Chemist) synthetic soil formula.<sup>6</sup>

4.6 *Reflectometer*, equipped with a search unit for measuring diffused reflectance and a green filter.

4.7 *Pipet*, 2 mL.

<sup>1</sup> This test method is under the jurisdiction of ASTM Committee [D21](#) on Polishes and is the direct responsibility of Subcommittee [D21.04](#) on Performance Tests. Current edition approved Nov. 1, 2015/March 1, 2017. Published November 2015/April 2017. Originally approved in 1973. Last previous edition approved in 2008/2015 as ~~D3206 – 08~~; D3206 – 08 (2015). DOI: [10.1520/D3206-08R15.10.1520/D3206-17](#).

<sup>2</sup> 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.

<sup>3</sup> The last approved version of this historical standard is referenced on [www.astm.org](#).

<sup>4</sup> The sole source of supply of the apparatus known to the committee at this time is Chemical Specialties Manufacturers Assn., 1913 Eye St., N.W., Washington, DC 20006. If you are aware of alternative suppliers, please provide this information to ASTM Headquarters. Your comments will receive careful consideration at a meeting of the responsible technical committee, which you may attend. OVCT tile may be obtained through Armstrong Flooring from various home improvement stores. The following Armstrong tile substrates have been found to perform adequately for this test method: Armstrong Excelon Feature Tile: Chalk II (56830), [http://www.armstrong.com/commflooringna/product\\_details\\_toolbox\\_magnify.jsp?item\\_id=47408](#).

<sup>5</sup> Obtain tight weave short pile carpet from local store.

<sup>6</sup> Prepared soils are available from Textile Innovations Corporation, P.O. Box 8, Windsor NC 27983 or SDL Atlas Textile Testing Solutions: SDL Atlas LLC, 3934 Airway Drive, Rock Hill, SC 29732.