



Designation: D3440 – 13

Standard Guide for Preparing Specifications for Water-Emulsion Floor Polishes¹

This standard is issued under the fixed designation D3440; 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.

1. Scope

1.1 This guide covers preparing specifications for water-emulsion floor polishes on all nonwood floors and for sealed wood floors.

1.2 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.

1.3 *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:

- D1288 Test Method for Test for Total Ash and Silica in Water-Emulsion Polishes (Withdrawn 1984)²
- D1290 Test Method for Sediment in Water-Emulsion Polishes by Centrifuge
- D1455 Test Method for 60° Specular Gloss of Emulsion Floor Polish
- D1791 Test Method for Accelerated Aging of Liquid Water-Emulsion Floor Polishes
- D1792 Test Method for Long-Term Removability Properties of Emulsion Floor Polishes
- D1793 Test Method for Water Spotting of Emulsion Floor Polishes
- D2047 Test Method for Static Coefficient of Friction of Polish-Coated Flooring Surfaces as Measured by the James Machine
- D2048 Test Method for Powdering of Floor Polish Films
- D2825 Terminology Relating to Polishes and Related Materials
- D2834 Test Method for Nonvolatile Matter (Total Solids) in Water-Emulsion Floor Polishes, Solvent-Based Floor

Polishes, and Polymer-Emulsion Floor Polishes

- D3052 Practice for Rating Water-Emulsion Floor Polishes
- D3153 Test Method for Recoatability of Water-Emulsion Floor Polishes
- D3206 Test Method for Soil Resistance of Floor Polishes
- D3207 Test Method for Detergent Resistance of Floor Polish Films
- D3210 Test Method for Comparing Colors of Films from Water-Emulsion Floor Polishes
- E70 Test Method for pH of Aqueous Solutions With the Glass Electrode

3. Terminology

3.1 *Definitions*—For definitions of other terms used in this guide refer to Terminology D2825.

3.1.1 *specification*—a precise statement of a set of requirements to be satisfied by a material, product, system, or service, indicating, whenever appropriate the procedure by means of which it may be determined whether the requirements given are satisfied. As far as practicable, it is desirable that the requirements be expressed numerically in terms of units together with their limits.

4. Classification

4.1 *Buffing-Type Floor Polish*—A floor polish that requires buffing to maintain or enhance appearance, or both.

4.2 *Self-Polishing-Type Floor Polish*—A self-polishing-type floor polish that dries to a shine.

5. Basis of Purchase

5.1 *Reference Material*—A floor polish which the purchaser has found to provide the desired characteristics in each of the tests described and which is mutually agreed upon between the purchaser and the seller, will be used as a reference material. Other polishes will be compared to this reference material for performance.

5.2 *Qualification Sample*—Seller shall submit a sample typical of the material he intends to supply for qualification testing.

5.3 *Acceptance Sample*—Samples shall be taken from each shipment and examined for conformation to the qualification sample.

¹ This guide is under the jurisdiction of ASTM Committee D21 on Polishes and is the direct responsibility of Subcommittee D21.05 on Specifications.

Current edition approved Oct. 1, 2013. Published October 2013. Originally approved in 1976. Last previous edition approved in 2001 as D3440-01(2007). DOI: 10.1520/D3440-13.

² The last approved version of this historical standard is referenced on www.astm.org.