



Designation: D3757 – 16

Standard Guide for Preparing Specifications for Solvent-based Floor Polishes¹

This standard is issued under the fixed designation D3757; 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 is a guide for preparing specifications for solvent-based floor polishes (liquid or paste) that are intended for use on all wood and solvent-resistant floors.

1.2 The values stated in SI units are to be regarded as standard. No other units of measurement are included in this 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:²

D56 Test Method for Flash Point by Tag Closed Cup Tester

D93 Test Methods for Flash Point by Pensky-Martens Closed Cup Tester

D217 Test Methods for Cone Penetration of Lubricating Grease

D1455 Test Method for 60° Specular Gloss of Emulsion Floor Polish

D2047 Test Method for Static Coefficient of Friction of Polish-Coated Flooring Surfaces as Measured by the James Machine

D2834 Test Method for Nonvolatile Matter (Total Solids) in Water-Emulsion Floor Polishes, Solvent-Based Floor Polishes, and Polymer-Emulsion Floor Polishes

D3206 Test Method for Soil Resistance of Floor Polishes

D3207 Test Method for Detergent Resistance of Floor Polish Films

D3278 Test Methods for Flash Point of Liquids by Small Scale Closed-Cup Apparatus

D3828 Test Methods for Flash Point by Small Scale Closed Cup Tester

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 Nov. 1, 2016. Published December 2016. Originally approved in 1979. Last previous edition approved in 2010 as D3757 – 89(2010). DOI: 10.1520/D3757-16.

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.

2.2 Federal Specification:³

Interim Federal Specification, Wax, General Purpose, Solvent Type, P-W-00158d (GSA-FSS) Amendment 1, July 13, 1972.

3. Significance and Use

3.1 This guide may be the basis for either the buying authority or the consumer to prepare a specification for solvent-based floor polishes (liquid or paste). Specifications prepared under this guide are for products intended for use on all wood and solvent resistant floors. Any reference material utilized and limits set are to be agreed upon by the seller, purchaser, or user.

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 Floor Polish*—A floor polish that dries to a shine.

5. Basis of Purchase

5.1 *Identification of Samples*—The qualification sample submitted by the manufacturer will be identified for the purpose of comparing with material subsequently submitted for acceptance. Within test method limits, stated herein, qualification and acceptance samples should be identical. Any lot or lots found not to be identical with the standard sample shall be rejected. Reference material is to be agreed upon between the purchaser and the seller.

6. Requirements

6.1 Physical (Product Specification Values or Limits):

6.1.1 *Total Solids*—The solids shall not be greater than () or less than () when analyzed in accordance with 8.1.

6.1.2 *Flash Point*—The flash point of liquid products shall be greater than () when determined in accordance with 8.2.

6.1.3 *Paste Hardness*—The paste hardness shall be less than () when determined in accordance with 8.3.

6.1.4 *Liquid Viscosity*—The liquid wax shall be pourable within agreed temperature limits. See 8.4.

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