



Designation: D 3757 – 89 (Reapproved 1999)

Standard Guide for Preparing Specifications for Solvent Floor Polishes¹

This standard is issued under the fixed designation D 3757; 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 *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:

- D 56 Test Methods for Flash Point by Tag Closed Tester²
- D 93 Test Methods for Flash Point by Pensky-Martens Closed Tester²
- D 217 Test Method for Cone Penetration of Lubricating Grease²
- D 1455 Test Method for 60° Specular Gloss of Emulsion Floor Polish³
- D 2047 Test Method for Static Coefficient of Friction of Polish-Coated Floor Surfaces as Measured by the James Machine³
- D 2834 Test Method for Nonvolatile Matter (Total Solids) in Water-Emulsion Floor Polishes, Solvent-Based Floor Polishes, and Polymer-Emulsion Floor Polishes³
- D 3206 Test Method for Soil Resistance of Floor Polishes³
- D 3207 Test Method for Detergent Resistance of Floor Polish Films³
- D 3278 Test Methods for Flash Point of Liquids by Set-Flash Closed-Cup Apparatus⁴
- D 3828 Test Methods for Flash Point by Small Scale Closed Tester⁵

2.2 Federal Specification:⁶

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.

6.1.5 *Odor*—The product shall have no offensive odor. See 8.4.

6.1.6 *Color*—The product shall have an agreeable color. See 8.4.

¹ This guide is under the jurisdiction of ASTM Committee D-21 on Polishes and is the direct responsibility of Subcommittee D 21.05 on Specifications.

Current edition approved Dec. 29, 1989. Published February 1990. Originally published as D 3757 – 79. Last previous edition D 3757 – 84.

² *Annual Book of ASTM Standards*, Vol 05.01.

³ *Annual Book of ASTM Standards*, Vol 15.04.

⁴ *Annual Book of ASTM Standards*, Vol 06.01.

⁵ *Annual Book of ASTM Standards*, Vol 05.02.

⁶ Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5094, Attn: NPODS.