



Standard Guide for Selection of Tests for Traffic Paints¹

This standard is issued under the fixed designation D 2205; 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 the selection and use of procedures for testing traffic paints in the laboratory and in the field.

1.2 This guide covers the testing of a ready-mixed paint product of sprayable consistency that shall be suitable for use as a reflecting traffic guide on paved roadways.

1.3 The values stated in inch-pound units are to be regarded as the standard. The values given in parentheses are for information only.

1.4 *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:

C 219 Terminology Relating to Hydraulic Cement²

D 8 Terminology Relating to Materials for Roads and Pavements³

D 16 Terminology for Paint, Related Coatings, Materials, and Applications⁴

D 154 Guide for Testing Varnishes⁵

D 185 Test Methods for Coarse Particles in Pigments, Pastes, and Paints⁵

D 215 Practice for Chemical Analysis of White Linseed Oil Paints⁴

D 562 Test Method for Consistency of Paints Using the Stormer Viscometer⁴

D 711 Test Method for No-Pick-Up Time of Traffic Paint⁶

D 713 Practice for Conducting Road Service Tests on Fluid Traffic Marking Materials⁶

D 868 Test Method for Evaluating Degree of Bleeding of Traffic Paint⁶

D 869 Test Method for Evaluating Degree of Settling of Paint⁶

D 870 Practice for Testing Water Resistance of Coatings Using Water Immersion⁴

D 913 Test Method for Evaluating Degree of Resistance to Wear of Traffic Paint⁶

D 968 Test Methods for Abrasion Resistance of Organic Coatings by Falling Abrasive⁴

D 969 Test Method for Laboratory Determination of Degree of Bleeding of Traffic Paint⁶

D 1210 Test Method for Fineness of Dispersion of Pigment-Vehicle Systems by Hegman-Type Gage⁴

D 1309 Test Method for Settling Properties of Traffic Paints During Storage⁶

D 1475 Test Method for Density of Liquid Coatings, Inks, and Related Products⁴

D 1644 Test Methods for Nonvolatile Content of Varnishes⁷

D 1647 Test Methods for Resistance of Dried Films of Varnishes to Water and Alkali⁵

D 1729 Practice for Visual Appraisal of Colors and Color Differences of Diffusely-Illuminated Opaque Materials⁴

D 1737 Test Method for Elongation of Attached Organic Coatings with Cylindrical Mandrel Apparatus⁸

D 2244 Test Method for Calculation of Color Differences from Instrumentally Measured Color Coordinates⁴

D 2371 Test Method for Pigment Content of Solvent-Reducible Paints⁴

D 2372 Practice for Separation of Vehicle from Solvent-Reducible Paints⁴

D 4061 Test Method for Retroreflectance of Horizontal Coatings⁴

E 97 Test Method for Directional Reflectance Factor, 45-deg 0-deg, of Opaque Specimens by Broad-Band Filter Reflectometry⁹

E 308 Practice for Computing the Colors of Objects by Using the CIE System⁴

¹ This guide is under the jurisdiction of ASTM Committee D01 on Paint and Related Coatings, Materials, and Applications and is the direct responsibility of Subcommittee D01.44 on Traffic Coatings.

Current edition approved Dec. 13, 1985. Published March 1986. Originally published as D 2205 – 63 T. Last previous edition D 2205 – 75.

² *Annual Book of ASTM Standards*, Vol 04.01.

³ *Annual Book of ASTM Standards*, Vol 04.03.

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

⁵ *Annual Book of ASTM Standards*, Vol 06.03.

⁶ *Annual Book of ASTM Standards*, Vol 06.02.

⁷ Discontinued; see 1998 *Annual Book of ASTM Standards*, Vol 06.01.

⁸ Discontinued; see 1988 *Annual Book of ASTM Standards*, Vol 06.01.

⁹ Discontinued; see 1991 *Annual Book of ASTM Standards*, Vol 06.01.