



Designation: D2205 – 20

Standard Guide for Selection of Tests for Traffic Paints¹

This standard is issued under the fixed designation D2205; 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 reappraisal. A superscript epsilon (ε) indicates an editorial change since the last revision or reappraisal.

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 ready-mixed solvent base and waterborne paint products of sprayable consistency that shall be suitable for use as a reflecting traffic guide on paved roadways.

1.3 The values stated in SI 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, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.5 *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:²

- C219** Terminology Relating to Hydraulic and Other Inorganic Cements
- D8** Terminology Relating to Materials for Roads and Pavements
- D16** Terminology for Paint, Related Coatings, Materials, and Applications
- D154** Guide for Testing of Varnishes (Withdrawn 2018)³
- D185** Test Methods for Coarse Particles in Pigments

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.

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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.

³ The last approved version of this historical standard is referenced on www.astm.org.

- D522/D522M** Test Methods for Mandrel Bend Test of Attached Organic Coatings
- D562** Test Method for Consistency of Paints Measuring Krebs Unit (KU) Viscosity Using a Stormer-Type Viscometer
- D711** Test Method for No-Pick-Up Time of Traffic Paint
- D713** Practice for Conducting Road Service Tests on Fluid Traffic Marking Materials
- D868** Practice for Determination of Degree of Bleeding of Traffic Paint
- D869** Test Method for Evaluating Degree of Settling of Paint
- D870** Practice for Testing Water Resistance of Coatings Using Water Immersion
- D913** Practice for Evaluating Degree of Traffic Marking Line Wear
- D1210** Test Method for Fineness of Dispersion of Pigment-Vehicle Systems by Hegman-Type Gage
- D1475** Test Method for Density of Liquid Coatings, Inks, and Related Products
- D1729** Practice for Visual Appraisal of Colors and Color Differences of Diffusely-Illuminated Opaque Materials
- D2244** Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates
- D2369** Test Method for Volatile Content of Coatings
- D2371** Test Method for Pigment Content of Solvent-Reducible Paints
- D2372** Practice for Separation of Vehicle From Solvent-Reducible Paints
- D2698** Test Method for Determination of the Pigment Content of Solvent-Reducible Paints by High-Speed Centrifuging
- D2805** Test Method for Hiding Power of Paints by Reflectometry
- D3723** Test Method for Pigment Content of Water-Emulsion Paints by Low-Temperature Ashing
- D4060** Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser
- D6628** Specification for Color of Pavement Marking Materials
- D7377** Practice for Evaluating the Water Wash-Off Resistance of Traffic Paints using a Water Faucet
- D7538** Practice for Evaluating the Water Wash-Off Resistance of Traffic Paints Using an Atomizing Spray Device