



Designation: D8008 – 20

Standard Practice for Representative Field Sampling of Traffic Paints¹

This standard is issued under the fixed designation D8008; 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 practice covers procedures for obtaining representative field samples of mixed or unmixed waterborne, solventborne, or other liquid traffic paints, including two component reactive materials from drums, totes, or machine striping tanks. Traffic paint samples are often taken from storage containers in the field by paint suppliers or government agencies for laboratory testing to determine product quality and/or for approvals prior to striping. It is important that the samples taken are “representative” (have a composition reflecting the overall composition in the container). Although traffic paints can remain homogeneous for weeks or months, some will stratify over time and become non-homogeneous. Obtaining a representative sample can be challenging particularly in a field environment. The desired method for obtaining a liquid sample is to thoroughly mix the sample until homogeneous and then sample the mixture from the top. If complete mixing can’t be verified then an alternative practice is to obtain a sample using a liquid tube sampling device. These devices have the ability to capture a top-to-bottom core of paint from the container. Inner or outer rod tube samplers are recommended for sample extraction. The inner rod tube sampler is the preferred sampler.

1.2 The practice selected for representative sampling should have written agreement between the parties providing the product and those testing the product.

1.3 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.

1.4 *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 standard-*

ization 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

D562 Test Method for Consistency of Paints Measuring Krebs Unit (KU) Viscosity Using a Stormer-Type Viscometer

D1475 Test Method for Density of Liquid Coatings, Inks, and Related Products

D3925 Practice for Sampling Liquid Paints and Related Pigmented Coatings

D5495 Practice for Sampling With a Composite Liquid Waste Sampler (COLIWASA)

2.2 ISO Documents:³

ISO 1513 Paints and varnishes — Examination and preparation of test samples

ISO 15528 Paints, varnishes, and raw materials for paints and varnishes — Sampling

3. Terminology

3.1 *The following terms apply to this practice:*

3.1.1 *COLIWASA (composite liquid waste sampler), n*—a tube type device that is typically used as a zone sampler for many types of liquids.

3.1.2 *composite core sampler, n*—a compartmented tube type sampler that is potentially capable of obtaining a representative core sample.

3.1.3 *core sample, n*—a sample extracted from a container top-to-bottom with a tube type device.

3.1.4 *liquid scoop, n*—a type of liquid thief sampler with compartments and slide closure that potentially can be used to obtain a representative core sample

3.1.5 *liquid thief sampler, n*—a tube or scoop device used to extract a liquid sample.

¹ This practice 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 Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, <http://www.ansi.org>.