



Designation: D6627-01 (Reapproved 2006) Designation: D6627/D6627M - 11

Standard Test Method for Determination of a Volatile Distillate Fraction of Cold Asphalt Mixtures¹

This standard is issued under the fixed designation D6627/D6627M; 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 test method covers the determination, by direct measurement, of the ambient to 500°F (260°C) volatile distillate fraction of cold mix asphalt mixtures.~~

~~1.2 A precision and bias statement for the Standard has not been developed since this test method is used for research purposes or information only. Therefore this Standard should not be used for acceptance or rejection of a material for purchasing purposes.~~

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

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1.3 The values stated in either SI units or inch-pound units are to be regarded separately as standard. The values stated in each system may not be exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in nonconformance with the 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 and health practices and determine the applicability of regulatory limitations prior to use.

2. Referenced Documents

2.1 *ASTM Standards:*²

D244 [Test Methods and Practices for Emulsified Asphalts](#)

D979 [Practice for Sampling Bituminous Paving Mixtures](#)

D1461 [Test Method for Moisture or Volatile Distillates in Bituminous Paving Mixtures](#)

D4753 [Guide for Evaluating, Selecting, and Specifying Balances and Standard Masses for Use in Soil, Rock, and Construction Materials Testing](#)

3. Significance and Use

3.1 This test method is used for determining the amount of a temperature specific volatile distillate fraction in cold mix asphalt mixtures.

4. Apparatus

4.1 A *Vertical Cylindrical Metal Still*, similar to that used in Test Methods D244, having a faced flange at the top to which the head is tightly attached by means of a clamp. The head shall be of a metal, preferably copper or brass, and shall be provided with a tubular opening of 25 mm (1 in.) in inside diameter and an additional tubular opening of 13 mm (½ in.) in inside diameter. Threaded into the 25 mm (1 in.) tubular opening is a stainless steel or brass fitting connected firmly to a ground glass joint by means of flexible stainless steel or glass tubing. Inserted into the 13 mm (½ in.) tubular opening is a metal

¹ This test method is under the jurisdiction of ASTM Committee D04 on Road and Paving Materials and is the direct responsibility of Subcommittee D04.27 on Cold Mix Asphalts.

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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.