



Designation: D 3666 – 03

Standard Specification for Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials¹

This standard is issued under the fixed designation D 3666; 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.

This standard has been approved for use by agencies of the Department of Defense.

1. Scope

1.1 This specification covers the minimum requirements for field and laboratory personnel, for establishing and maintaining a quality system, and establishes minimum qualifications for agencies engaged in the testing and inspection of road and paving materials.

1.2 Criteria are provided for evaluating the capability of an agency to properly perform designated tests on road and paving materials, and for establishing guidelines pertaining to an agency's organization, personnel, facilities, and quality system. This specification may be supplemented by more specific criteria, such as that in Specification E 329, and requirements for particular projects.

1.3 This specification can be used as a basis to evaluate testing or inspection agencies, or both, and is intended for use for the qualifying or accrediting, or both, of testing or inspection agencies, public or private, engaged in the testing and inspection of road and paving materials.

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 The following referenced documents are those that are specifically mentioned in Specification D 3666. These referenced documents are not meant to be all inclusive, as Specification D 3666 applies, as appropriate, to all test methods under the jurisdiction of Committee D04.

2.2 ASTM Standards:

C 128 Test Method for Density, Relative Density (Specific Gravity) and Absorption of Fine Aggregate²

D 5 Test Method for Penetration of Bituminous Materials³

D 36 Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus)⁴

D 70 Test Method for Specific Gravity and Density of Semi-Solid Bituminous Materials (Pycnometer Method)³

D 92 Test Method for Flash and Fire Points by Cleveland Open Cup Tester⁵

D 113 Test Method for Ductility of Bituminous Materials³

D 139 Test Method for Float Test for Bituminous Materials³

D 244 Test Methods for Emulsified Asphalts³

D 290 Practice for Bituminous Mixing Plant Inspection⁶

D 1074 Test Method for Compressive Strength of Bituminous Mixtures³

D 1075 Test Method for Effect of Water on Compressive Strength of Compacted Bituminous Mixtures³

D 1559 Test Method for Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus⁷

D 1560 Test Methods for Resistance to Deformation and Cohesion of Bituminous Mixtures by Means of Hveem Apparatus³

D 1561 Practice for Preparation of Bituminous Mixture Test Specimens by Means of California Kneading Compactor³

D 1754 Test Method for Effects of Heat and Air on Asphaltic Materials (Thin-Film Oven Test)³

D 1856 Test Method for Recovery of Asphalt from Solution by Abson Method³

D 2041 Test Method for Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures³

D 2170 Test Method for Kinematic Viscosity of Asphalts (Bitumens)³

D 2171 Test Method for Viscosity of Asphalts by Vacuum Capillary Viscometer³

D 2872 Test Method for Effect of Heat and Air on a Moving Film of Asphalt (Rolling Thin-Film Oven Test)³

D 3142 Test Method for Density of Liquid Asphalts (Hydrometer Method)³

D 3143 Test Method for Flash Point of Cutback Asphalt with Tag Open-Cup Apparatus³

¹ This specification is under the jurisdiction of ASTM Committee D04 on Road and Paving Materials and is the direct responsibility of Subcommittee D04.95 on Quality Control, Inspection, and Testing Agencies.

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² *Annual Book of ASTM Standards*, Vol 04.02.

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

⁴ *Annual Book of ASTM Standards*, Vol 04.04.

⁵ *Annual Book of ASTM Standards*, Vol 05.01.

⁶ Discontinued; see 2000 *Annual Book of ASTM Standards*, Vol 04.03.

⁷ Discontinued; see 1998 *Annual Book of ASTM Standards*, Vol 04.03.