Designation: D 6511 – 00

Standard Test Methods for Solvent Bearing Bituminous Compounds[1]

This standard is issued under the fixed designation D 6511; 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 These test methods cover procedures for sampling and testing solvent bearing bituminous compounds for use in roofing and waterproofing.

1.2 The test methods appear in the following order:

	Section
Sampling	4
Uniformity	5
Weight per gallon	6
Nonvolatile content	7
Solubility	8
Ash content	9
Water content	10
Consistency	11
Behavior at 60°C (140°F)	12
Pliability at –0°C (32°F)	13
Aluminum content	14
Reflectance of aluminum roof coatings	15
Strength of laps of rolled roofing adhered with roof adhesive	16
Adhesion to damp, wet, or underwater surfaces	17
Mineral stabilizers and bitumen	18
Mineral matter	19
Volatile organic content	20

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 and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 *ASTM Standards:*

C 670 Practice for Preparing Precision and Bias Statements for Test Methods for Construction Materials[2]

D 4 Test Method for Bitumen Content[3]

D 5 Test Method for Penetration of Bituminous Materials[4]

D 88 Test Method for Saybolt Viscosity[3]

D 95 Test Method for Water in Petroleum Products and Bituminous Materials by Distillation[5]

D 140 Practice for Sampling Bituminous Materials[4]

D 146 Test Methods for Sampling and Test Bitumen-Saturated Felts and Fabrics Used in Roofing and Waterproofing[3]

D 224 Specification for Smooth-Surfaced Asphalt Roll Roofing (Organic Felt)[3]

D 249 Specification for Asphalt Roll Roofing (Organic Felt) Surfaced with Mineral Granules[3]

D 402 Test Method for Distillation of Cut-Back Asphalt (Bituminous) Products[4]

D 562 Test Method for Consistency of Paints Using the Stormer Viscometer[5]

D 1079 Terminology Relating to Roofing, Waterproofing, and Bituminous Materials[3]

D 1475 Test Method for Density of Liquid Coatings, Inks, and Related Products[6]

D 2042 Test Method for Solubility of Asphalt Materials to Trichloroethylene[4]

D 2369 Test Method for Volatile Content of Coatings[6]

D 2824 Specification for Aluminum-Pigmented Asphalt Roof Coatings Non-fibered, Asbestos-fibered, and Fibered Without Asbestos[3]

D 4017 Test Method for Water in Paints and Paint Materials by Karl Fisher Method[6]

E 1 Specification for ASTM Thermometers[7]

E 145 Specification for Gravity-Convection and Forced Ventilation Ovens[8]

E 200 Practice for Preparation, Standardization, and Storage of Standard and Reagent Solutions for Chemical Analysis[9]

[1] These test methods are under the jurisdiction of ASTM Committee D08 on Roofing, Waterproofing and Bituminous Materials and are the direct responsibility of Subcommittee D08.05 on Solvent-Bearing Bituminous Compounds for Roofing and Waterproofing.

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

[3] *Annual Book of ASTM Standards*, Vol 04.04.

[4] *Annual Book of ASTM Standards*, Vol 04.03.

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

[6] *Annual Book of ASTM Standards*, Vol 06.01.

[7] *Annual Book of ASTM Standards*, Vol 14.03.

[8] *Annual Book of ASTM Standards*, Vol 14.04.

[9] *Annual Book of ASTM Standards*, Vol 15.05.

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