



Designation: D8464/D8464M – 23

Standard Specification for Cold-Applied Coal Tar for Roofing, Waterproofing, and Dampproofing¹

This standard is issued under the fixed designation D8464/D8464M; 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 specification covers a mixture of processed coal tar base with or without mineral fillers or polymer modification suitable for brush, spray, and squeegee application to coal tar built-up and coal tar modified bitumen membrane roofing, flashings, dampproofing, insulations, and waterproofing.

1.2 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.

1.3 The following precautionary caveat pertains only to the test method portion, Section 7, of this specification: *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.*

1.4 *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

D6511/D6511M Test Methods for Solvent Bearing Bituminous Compounds

3. Materials and Manufacture

3.1 Cold-applied coal tar liquid shall consist of a processed coal tar base, volatile solvents, with or without mineral or other

stabilizers, or polymer modification or both, excluding asbestos fiber, mixed to a smooth, uniform consistency suitable for application by squeegee, three-knot brush, or by spraying.

4. Composition

4.1 Cold-applied coal tar liquid complying with this specification shall conform to the following composition limits:

	min	max
Water content, %	...	2.5
Nonvolatile content, %	50	...
Mineral and/or other stabilizers	...	20

5. Physical Requirements

5.1 *Uniformity*—After a thoroughly stirred sample has stood for 72 h at room temperature 23 ± 2 °C [73.4 ± 3.6 °F] in a closed container, it shall show no separation of solvent or settling that cannot be overcome by moderate stirring.

5.2 *Consistency*—The coal tar liquid shall be of a consistency that will spread readily and permit application by squeegee, three-knot brush, or spray at the rate of 1.25 m²/L [50 ft²/gal] on prepared roofing, saturated felt, and metal surfaces at ambient temperatures above 10 °C [50 °F]. Consistency (Brookfield) at 25 °C [77 °F] No. 3 spindle at 20 RPM shall be between 15 000 and 19 000 CPS.

6. Sampling

6.1 See Section 4 on Sampling of Test Methods D6511/D6511M.

7. Test Methods

7.1 Determine composition and physical requirements by using the procedures in Test Methods D6511/D6511M.

8. Precision and Bias

8.1 See Section 21 on Precision and Bias of Test Methods D6511/D6511M.

9. Inspection

9.1 Inspection of the material shall be agreed upon by the purchaser and the seller as part of the purchase contract.

¹ This specification is under the jurisdiction of ASTM Committee D08 on Roofing and Waterproofing and is the direct responsibility of Subcommittee D08.05 on Solvent-Bearing Bituminous Compounds for Roofing and Waterproofing.

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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.