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

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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

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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.

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.



10. Rejection and Rehearing

10.1 Failure to conform to any of the requirements prescribed in this specification shall constitute grounds for rejection. In cases of rejection, the seller shall have the right to reinspect and resubmit the lot after removal of those packages not conforming to the specified requirements.

11. Packaging and Package Marking

11.1 All products shall be packaged and labeled in accordance with applicable regulations. Each package shall be marked to indicate the applicable ASTM specification.

12. Keywords

12.1 coal tar; cold applied; dampproofing; roofing

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