



# Standard Specification for Coal Tar Primer Used in Roofing, Dampproofing, and Waterproofing<sup>1</sup>

This standard is issued under the fixed designation D43/D43M; 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 ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

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

<sup>ε1</sup> NOTE—Units information was editorially corrected in June 2012.

## 1. Scope

1.1 This specification covers coal tar primer suitable for use with coal tar pitch in roofing, dampproofing, and waterproofing below or above ground level, for application to concrete, masonry, and coal tar surfaces.

~~1.2 The values stated in SI units are to be regarded as the standard. The values given in parentheses are for information only.~~

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 non-conformance with the standard.

1.3 *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:*<sup>2</sup>

D140 Practice for Sampling Bituminous Materials

D168 Test Method for Coke Residue of Creosote

D246 Test Method for Distillation of Creosote and Creosote-Coal Tar Solutions

D347 Tables for Volume and Specific Gravity Correction for Creosote, Creosote-Coal Tar Solution, and Coal Tar

D367 Test Method for Xylene-Insoluble Matter in Creosote

D368 Test Method for Specific Gravity of Creosote and Oil-Type Preservatives

D370 Practice for Dehydration of Oil-Type Preservatives

## 3. Physical Requirements

3.1 Coal tar primer shall be a distillate of coal-gas tar or coke-oven tar and shall conform to the following requirements:

Water	not more than 1 %
Consistency at 5°C (41°F)	entirely fluid and crystal free <sup>A</sup>
Consistency at 5°C [41°F]	entirely fluid and crystal free <sup>A</sup>
Specific gravity, 38/15.5°C (100/60°F)	not less than 1.06
Specific gravity, 38/15.5°C [100/60°F]	not less than 1.06
Matter insoluble in benzene	not more than 0.5 %
Distillation, based on water-free oil:	
—Up to 210°C (410°F)	not more than 1 %

<sup>1</sup> 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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<sup>2</sup> 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.