



Designation: ~~D1187/D1187M – 97 (Reapproved 2011)~~^{e1} D1187/D1187M – 97 (Reapproved

Standard Specification for Asphalt-Base Emulsions for Use as Protective Coatings for Metal¹

This standard is issued under the fixed designation D1187/D1187M; 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.

^{e1} NOTE—Units information was editorially corrected in June 2011.

1. Scope

1.1 This specification covers emulsified asphalt suitable for application in a relatively thick film as a protective coating for metal surfaces.

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 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

~~C150/C150M~~ Specification for Portland Cement

D2939 Test Methods for Emulsified Bitumens Used as Protective Coatings (Withdrawn 2012)³

3. Classification

3.1 *Type I*—Quick-setting emulsified asphalt suitable for continuous exposure to water within a few days after application and drying.

3.2 *Type II*—Emulsified asphalt suitable for continuous exposure to the weather, only after application and drying.

4. Materials and Manufacture

4.1 Emulsified asphalt used as a protective coating for metal shall consist of asphalt, water, and emulsifying agents.

5. Composition

5.1 Emulsified asphalt complying with this specification shall conform to the requirements in **Table 1**.

6. Performance Requirements

6.1 *Uniformity*—The emulsion shall be homogeneous. After a thoroughly stirred sample has been held at 10°C [50°F] in a closed container for 48 h, there shall be no separation of water, coagulation of the asphalt base, settling, or packing in the container that cannot be overcome by moderate hand stirring.

¹ This specification is under the jurisdiction of ASTM Committee D08 on Roofing and Waterproofing and is under the direct responsibility of Subcommittee D08.09 on Bituminous Emulsions.

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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.

³ The last approved version of this historical standard is referenced on www.astm.org.