



Designation: D 3019 – 94 (Reapproved 2007)

Standard Specification for Lap Cement Used with Asphalt Roll Roofing, Non Fibered, Asbestos Fibered, and Non Asbestos Fibered¹

This standard is issued under the fixed designation D 3019; 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 lap cement consisting of asphalt dissolved in a volatile petroleum solvent with or without mineral or other stabilizers, or both, for use with roll roofing.

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

1.3 The following precautionary caveat applies only to the test method portion, Section 5, 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 and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 *ASTM Standards*:²

D 4 Test Method for Bitumen Content

D 36 Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus)

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

D 140 Practice for Sampling Bituminous Materials

D 146 Test Methods for Sampling and Testing Bitumen-Saturated Felts and Woven Fabrics for Roofing and Waterproofing

D 249 Specification for Asphalt Roll Roofing (Organic Felt)

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.

Surfaced with Mineral Granules³

D 402 Test Method for Distillation of Cut-Back Asphaltic (Bituminous) Products

3. Classification

3.1 *Type I*—Brushing consistency lap cement intended for use in the exposed-nailing method of roll roofing application. Type I lap cement contains no mineral or other stabilizers.

3.1.1 *Grade 1*—Made with an air-blown asphalt.

3.1.2 *Grade 2*—Made with a vacuum-reduced or steam-refined asphalt.

3.2 *Type II*—Heavy brushing or light troweling consistency lap cement intended for use in the concealed-nailing method of roll roofing application. Type II lap cement contains a quantity of short-fibered asbestos.

3.3 *Type III*—Heavy brushing or light troweling consistency lap cement intended for use in the concealed-nailing method of roll roofing application. Type III lap cement contains a quantity of mineral or other stabilizers, or both, but contains no asbestos.

4. Physical Requirements

4.1 The material shall conform to the requirements prescribed in **Table 1**.

5. Sampling and Test Methods

5.1 *Sampling*—Practice **D 140**. Combine individual samples after thorough stirring, and restir the combined sample immediately before taking out portions for individual tests.

5.2 *Water*—Test Method **D 95**.

5.3 *Distillation*—Test Method **D 402**.

5.4 *Softening Point*—Test Method **D 36**.

5.5 *Solubility in Trichloroethylene*—Test Method **D 4**, Procedure No. 1, but use trichloroethylene in place of carbon disulfide.

³ Withdrawn.