



Designation: D3019/D3019M – 17 (Reapproved 2024)

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

This standard is issued under the fixed designation D3019/D3019M; 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. The fibered version of these cements excludes the use of asbestos fibers.

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 applies only to the test method portion, Section 6, 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

D36/D36M Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus)

D6511/D6511M Test Methods for Solvent Bearing Bituminous Compounds

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.

3. Classification

3.1 *Type I*—Brushing consistency non-fibered 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 III*—Heavy brushing or light troweling consistency fibered 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

5.1 See Section 4, Sampling, of Test Methods D6511/D6511M.

6. Test Methods

6.1 Determine composition and physical requirements by using the procedures in Test Methods D6511/D6511M and Test Method D36/D36M.

6.2 *Strength of Lap:*

6.2.1 *Significance*—The lap strength is of importance only for Type III cement used in the concealed-nailing method of roll roofing application.

7. Inspection

7.1 Inspection of the material shall be as agreed upon between the purchaser and the supplier as part of the purchase contract.

8. Rejection and Resubmittal

8.1 Failure to conform to any of the requirements prescribed in this specification may constitute grounds for rejection. In the case of rejection, the seller shall have the right to reinspect the