



Designation: D2822 – 05

Standard Specification for Asphalt Roof Cement, Asbestos-Containing¹

This standard is issued under the fixed designation D2822; 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.

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

1. Scope

1.1 This specification covers asbestos-containing asphalt roof cement used for trowel application to roofings and flashings.

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 safety hazards caveat pertains only to the test methods described in 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

D312 Specification for Asphalt Used in Roofing

D449 Specification for Asphalt Used in Damproofing and Waterproofing

D946 Specification for Penetration-Graded Asphalt Cement for Use in Pavement Construction

D1079 Terminology Relating to Roofing and Waterproofing

D6511 Test Methods for Solvent Bearing Bituminous Compounds

3. Terminology

3.1 For definitions of terms used in this specification, see Terminology D1079.

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.

Current edition approved Oct. 1, 2005. Published October 2005. Originally approved in 1969. Last previous edition approved in 1997 as D2822 – 91 (1997) ^{ϵ 1}. DOI: 10.1520/D2822-05.

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.

4. Classification

4.1 *Type I* is made from asphalts characterized as self-healing, adhesive, and ductile, and conforming to the requirements of Specification D312, Type I; Specification D449, Types I or II; or Specification D946.

4.1.1 Class I is used for application to essentially dry surfaces.

4.1.2 Class II is used for application to damp, wet, or underwater surfaces.

4.2 *Type II* is made from asphalt characterized by high softening point and relatively low ductility, and conforming to the requirements of Specification D312, Types II or III; or Specification D449, Type III.

4.2.1 Class I is used for application to essentially dry surfaces.

4.2.2 Class II is used for application to damp, wet, or underwater surfaces.

5. Materials and Manufacture

5.1 Asphalt roof cement shall consist of an asphalt base, volatile petroleum solvents, and mineral stabilizers including asbestos fiber, mixed to a smooth, uniform consistency suitable for trowel application.

6. Composition

6.1 Asphalt roof cement complying with this specification shall conform to the following composition limits:

	min	max	
Water, %	...	1.0	(D6511, Section 10)
Nonvolatile matter, %	70	...	(D6511, Section 7)
Asbestos and other mineral stabilizers, %	15	45	(D6511, Section 18)
Asphalt, %	30	60	(D6511, Section 18)
Mineral matter based on original mass of insoluble residue, %	80	...	(D6511, Section 19)