



Designation: **D2824/D2824M – 13** **D2824/D2824M – 18**

Standard Specification for Aluminum-Pigmented Asphalt Roof Coatings, Nonfibered, and Fibered without Asbestos¹

This standard is issued under the fixed designation D2824/D2824M; 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 reappraisal. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reappraisal.

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

1. Scope

1.1 This specification covers asphalt-based, aluminum-pigmented roof coatings suitable for application to roofing or masonry surfaces by brush or spray.

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 The following precautionary caveat pertains only to the test method portion, Section 8, 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~~ safety, health, and ~~health~~ 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

[C1549 Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Solar Reflectometer](#)

[D962 Specification for Aluminum Powder and Paste Pigments for Paints](#)

[D4798/D4798M Practice for Accelerated Weathering Test Conditions and Procedures for Bituminous Materials \(Xenon-Arc Method\)](#)

[D6511/D6511M Test Methods for Solvent Bearing Bituminous Compounds](#)

3. Classification

3.1 *Type I*—Nonfibered, containing no fiber.

3.2 *Type III*—Fibered, containing no asbestos fiber.

4. Materials and Manufacture

4.1 Asphalt-based, aluminum-pigmented roof coatings shall consist of an asphalt base, volatile petroleum solvents, and a leafing type of aluminum pigment conforming to the requirements of Specification [D962](#), with or without fiber added. They shall be mixed to a smooth, uniform consistency suitable for application by brush, roller, or by spraying.

5. Composition

5.1 Asphalt-based, aluminum-pigmented roof coatings complying with this specification shall conform to the following composition limits:

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.