



Designation: D2829/D2829M – 07 (Reapproved 2019)^{ε1}

Standard Practice for Sampling and Analysis of Existing Built-Up Roof Systems¹

This standard is issued under the fixed designation D2829/D2829M; 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.

^{ε1} NOTE—Units information was editorially revised in January 2019.

1. Scope

1.1 This practice is a guide for removing test specimens from existing built-up roofing systems in the field and for determining the *approximate* quantities of the components of that specimen (Note 1). Components determined may be:

- 1.1.1 Insulation components when they are part of the roof membrane system,
- 1.1.2 Plies of roofing felt,
- 1.1.3 Interply layers of bituminous material,
- 1.1.4 Top coating, and
- 1.1.5 Surfacing.

NOTE 1—This procedure is for the investigation of existing roofs and is not intended for new construction inspection.

1.2 This practice is applicable to both 914-mm [36-in.] and 1000-mm [39 3/8-in.] wide felt rolls.

1.3 The values stated in either SI units or inch-pound units are to be regarded separately as standard. The values stated in each system are not necessarily exact equivalents; therefore, to ensure conformance with the standard, each system shall be used independently of the other, and values from the two systems shall not be combined.

1.4 *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 this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.* For specific precautionary information, see 6.3.2.1.

1.5 *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

- D226/D226M Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing
- D227/D227M Specification for Coal-Tar-Saturated Organic Felt Used in Roofing and Waterproofing
- D249 Specification for Asphalt Roll Roofing (Organic Felt) Surfaced with Mineral Granules (Withdrawn 2002)³
- D250 Standard Specification for Asphalt-Saturated Asbestos Felt Used in Roofing and Waterproofing (Withdrawn 1991)³
- D371 Specification for Asphalt Roll Roofing (Organic Felt) Surfaced with Mineral Granules; Wide Selvage (Withdrawn 2002)³
- D1079 Terminology Relating to Roofing and Waterproofing
- D2178/D2178M Specification for Asphalt Glass Felt Used in Roofing and Waterproofing
- D2626/D2626M Specification for Asphalt-Saturated and Coated Organic Felt Base Sheet Used in Roofing
- D3158 Specification for Asphalt Saturated and Coated Organic Felt Used in Roofing (Withdrawn 1983)³
- D3617/D3617M Practice for Sampling and Analysis of Built-Up Roof Systems During Application
- D3672 Standard Specification for Venting Asphalt-Saturated and Coated Inorganic Felt Base Sheet Used in Roofing (Withdrawn 1990)³
- D3909/D3909M Specification for Asphalt Roll Roofing (Glass Felt) Surfaced With Mineral Granules
- D4601/D4601M Specification for Asphalt-Coated Glass Fiber Base Sheet Used in Roofing
- D4897/D4897M Specification for Asphalt-Coated Glass-Fiber Venting Base Sheet Used in Roofing
- D4990 Specification for Coal Tar Glass Felt Used in Roofing and Waterproofing

¹ This practice is under the jurisdiction of ASTM Committee D08 on Roofing and Waterproofing and is the direct responsibility of Subcommittee D08.20 on Roofing Membrane Systems.

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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.