



Designation: D6221/D6221M – 00 (Reapproved 2021)

Standard Specification for Reinforced Bituminous Flashing Sheets for Roofing and Waterproofing¹

This standard is issued under the fixed designation D6221/D6221M; 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 factory-prepared reinforced bituminous sheet used in flashing. The bitumen used may be asphalt, coal-tar pitch, or polymer-modified bitumen. The reinforcement may include any one or a combination of organic (wood fiber), polyester, or glass fiber felts, woven fabrics, or thermoplastic films. Fine mineral powders, granules, or metal foils may be used as surfacing.

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 statement pertains only to the test method portion, Section 7, 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

D228/D228M Test Methods for Sampling, Testing, and Analysis of Asphalt Roll Roofing, Cap Sheets, and

¹ This specification is under the jurisdiction of ASTM Committee D08 on Roofing and Waterproofing and is the direct responsibility of Subcommittee D08.04 on Felts, Fabrics and Bituminous Sheet Materials.

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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.

Shingles Used in Roofing and Waterproofing

D751 Test Methods for Coated Fabrics

D1079 Terminology Relating to Roofing and Waterproofing

D2523/D2523M Practice for Testing Load-Strain Properties of Roofing Membranes

D3746/D3746M Test Method for Impact Resistance of Bituminous Roofing Systems

D5601 Test Method for Tearing Resistance of Roofing and Waterproofing Materials and Membranes (Withdrawn 2002)³

D5683/D5683M Test Method for Flexibility of Roofing and Waterproofing Materials and Membranes

D5869/D5869M Practice for Dark Oven Heat Exposure of Roofing and Waterproofing Materials

3. Terminology

3.1 *Definitions:*

3.1.1 See Terminology D1079 for terms relating to roofing or waterproofing.

4. Classification

4.1 *Type 1*—Heavy, thick flashing sheets.

4.2 *Type 2*—Lightweight, thin flashing sheets

5. Significance and Use

5.1 The criteria listed in this specification are based on round robin testing of materials that, if correctly installed, can be used as the primary material for flashing membranes. The manufacturer's installation recommendations must be followed in every case.

5.2 Compliance with the criteria in this specification is believed to be necessary for satisfactory performance, but the linkage has not been established between performance and these criteria.

6. Physical Properties

6.1 Conform to criteria in Table 1.

³ The last approved version of this historical standard is referenced on www.astm.org.