



Designation: D226/D226M – 09

# Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing<sup>1</sup>

This standard is issued under the fixed designation D226/D226M; 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 ( $\epsilon$ ) 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 asphalt-saturated organic felts, with or without perforations, intended to be used with asphalts conforming to the requirements of Specification D312 in the construction of built-up roofs, and with asphalts conforming to the requirements of Specification D449 in the construction of water proofing systems.

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 safety hazards 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 and health practices and determine the applicability of regulatory limitations prior to use.*

## 2. Referenced Documents

### 2.1 ASTM Standards:<sup>2</sup>

D70 Test Method for Density of Semi-Solid Bituminous Materials (Pycnometer Method)

D146 Test Methods for Sampling and Testing Bitumen-Saturated Felts and Woven Fabrics for Roofing and Waterproofing

D312 Specification for Asphalt Used in Roofing

D449 Specification for Asphalt Used in Dampproofing and Waterproofing

<sup>1</sup> 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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<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

D1079 Terminology Relating to Roofing and Waterproofing  
D6136 Test Method for Kerosine Number of Unsaturated (Dry) Felt by Vacuum Method

## 3. Terminology

3.1 *Definitions*—For definitions of terms used in this specification, refer to Terminology D1079.

## 4. Classification

4.1 Asphalt-saturated felts covered by this specification are of two types:

4.1.1 *Type I*—Commonly called No. 15 asphalt felt.

4.1.2 *Type II*—Commonly called No. 30 asphalt felt.

## 5. Materials and Manufacture

5.1 In the process of manufacture a single thickness of dry felt shall be saturated with an asphaltic saturant.

5.2 The felt shall be produced principally from organic fibers. The surface of the felt shall be uniform and relatively smooth. Upon splitting or tearing on the bias, the felt shall appear reasonably free of lumps or particles of foreign substances.

## 6. Physical Requirements

6.1 The material shall conform to the physical requirements prescribed in Table 1 and the dimensions and masses prescribed in Table 2.

6.2 The finished product shall not crack nor be so sticky as to cause tearing or other damage upon being unrolled at temperatures between 10 and 60°C [50 and 140°F].

6.3 Perforated felts shall conform to the same requirements as the plain type but shall also have uniformly spaced perforations.

## 7. Workmanship, Finish, and Appearance

7.1 The felt shall be thoroughly and uniformly saturated, and shall show no unsaturated spots at any point upon cutting 50-mm [2-in.] wide strips at random across the entire sheet and splitting them open for their full length.