



Designation: D2626 – 04

Standard Specification for Asphalt-Saturated and Coated Organic Felt Base Sheet Used in Roofing¹

This standard is issued under the fixed designation D2626; 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 asphalt-saturated and coated organic felt base sheet with mineral surfacing on the top side, with or without perforations, for use as the first ply of a built-up roof. When not perforated, this sheet is suitable for use as a vapor retarder, with a solid mopping of asphaltic material, under roof insulation or between multiple layers of roof insulation.

1.2 The values stated in SI units are to be regarded as the standard. The values in parentheses are for information only.

2. Referenced Documents

2.1 *ASTM Standards*:²

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

D226 Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing

D228 Test Methods for Sampling, Testing, and Analysis of Asphalt Roll Roofing, Cap Sheets, and Shingles Used in Roofing and Waterproofing

D1079 Terminology Relating to Roofing and Waterproofing

E96/E96M Test Methods for Water Vapor Transmission of Materials

3. Terminology

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

3.2 *Definitions of Terms Specific to This Standard*:

3.2.1 *lot*—for the purpose of sampling, a lot shall consist of all material of the same type and size offered for delivery at one time.

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 and Fabrics.

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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.

4. Materials and Manufacture

4.1 In the process of manufacture, a single thickness of dry organic felt shall be saturated with hot asphalt, coated on both sides with a hot asphaltic material, and surfaced on the top side with mineral surfacing.

4.2 The felt shall be produced principally from organic fibers, or mixtures thereof. 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 and particles of foreign substances.

4.3 The coating shall be a hot-applied asphalt material permitted to be compounded with a mineral stabilizer.

4.4 The reverse side of the base sheet may be covered with a suitable material to prevent sticking in the roll.

5. Physical Properties

5.1 The material shall conform to the physical requirements prescribed in **Table 1** and the dimensions and masses prescribed in **Table 2** and **Table 3**. Perforated base sheets shall conform to the same requirements as the plain type but shall also have uniformly spaced perforations.

5.2 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. Dimensions, Mass, and Permissible Variations

6.1 The material shall conform to the dimensions and masses prescribed in **Table 2**.

6.2 Perforated material shall also conform to the dimensions and other requirements prescribed in **Table 3**.

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 width of the sheet and splitting them open for their full length.

7.2 The coating shall be applied uniformly on both sides of the sheet in a continuous, unbroken film that extends to the edges of the sheet. The coating may be smooth or finely veined, but not coarsely veined.