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Standard Specification for Bitumen-Saturated Woven Burlap Fabrics Used in Roofing and Waterproofing¹

This standard is issued under the fixed designation D1327/D1327M; 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.

^{ε1} NOTE—Units information was editorially corrected in June 2012.

1. Scope

1.1 This specification covers woven burlap fabrics, saturated with either asphalt or refined coal-tar, as specified by the purchaser, for use in the membrane system of roofing or waterproofing or as specified by the manufacturer.

1.1.1 *Asphalt-saturated burlap fabric* shall be used with asphalt base plying cement; typical ones are mopping asphalts conforming to Specifications D312, D449, or appropriate solvent-bearing bituminous materials.

1.1.2 *Coal-tar-saturated burlap fabric* shall be used with coal-tar base plying cements; typical ones are coal-tar pitches conforming to Specification D450, or appropriate solvent-bearing bituminous materials.

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

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

D312 Specification for Asphalt Used in Roofing

D449 Specification for Asphalt Used in Dampproofing and Waterproofing

D450 Specification for Coal-Tar Pitch Used in Roofing, Dampproofing, and Waterproofing

D1079 Terminology Relating to Roofing and Waterproofing

2.2 AATCC Standard:

Method 30-1974 Test for Resistance of Textiles to Mildew and Rot³

3. Terminology

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

4. Materials and Manufacture

4.1 The fabric to be saturated shall be composed of 100 % jute fiber except for two cotton threads in each selvage. If the selvage is used, it shall be no more than 6 mm (~~[1/4 in.]~~^{15.4}) wide. The minimum fabric construction used shall be 180 g/m² (~~5.4 oz/yd~~^{15.4}).

4.2 In the process of manufacture, the dry burlap fabric shall be saturated with bitumen.

5. Physical Properties

5.1 The material shall conform to the physical properties prescribed in Table 1.

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.

³ Available from American Association of Textile Chemists and Colorists (AATCC), One Davis Dr., P.O. Box 12215, Research Triangle Park, NC 27709-2215.