



Designation: D6757/D6757M – 18

# Standard Specification for Underlayment Felt Containing Inorganic Fibers Used in Steep-Slope Roofing<sup>1</sup>

This standard is issued under the fixed designation D6757/D6757M; 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.

## 1. Scope

1.1 This specification covers (1) inorganic fiber-reinforced organic felt underlayment and (2) inorganic fiber-based felt for use as underlayment with steep-slope roofing products. The intent of this specification is to provide criteria for producing and evaluating underlayments with a significantly reduced tendency to wrinkle before or after the installation of steep roofing products.

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, health, and environmental practices and determine the applicability of regulatory requirements 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:<sup>2</sup>

[D146/D146M Test Methods for Sampling and Testing Bitumen-Saturated Felts and Woven Fabrics for Roofing 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 D08.02 on Steep Roofing Products and Assemblies.

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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.

[D228/D228M 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](#)  
[D4869/D4869M Specification for Asphalt-Saturated Organic Felt Underlayment Used in Steep Slope Roofing](#)

[F1087 Test Method for Linear Dimensional Stability of a Gasket Material to Moisture](#)

## 3. Terminology

3.1 *Definitions*—For definitions of terms used in this specification, refer to Terminology [D1079](#).

## 4. Classification

4.1 Organic felts that are reinforced with inorganic fibers are covered by this specification.

4.2 Inorganic fiber-based asphaltic and nonasphaltic felts are covered by this specification.

## 5. Materials and Manufacture

5.1 In the process of manufacture, a single thickness of inorganic mat or organic felt that is reinforced with inorganic fibers shall be uniformly saturated or coated.

## 6. Physical Requirements

6.1 The material shall conform to the physical requirements prescribed in [Table 1](#).

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  $-1$  and  $60^{\circ}\text{C}$  [ $30$  and  $140^{\circ}\text{F}$ ]. The finished product shall pass the water shower exposure test in accordance with [8.1.4](#), indicating resistance to liquid water transmission.

## 7. Dimensions, Masses, Workmanship, Finish, and Appearance

7.1 Dimensions and masses to be agreed upon between buyer and seller.

7.2 The finished material shall be free of visible external defects, such as holes, ragged or untrue edges, breaks, cracks, tears, bulges, and indentations.