



Designation: C 726 – 00

Standard Specification for Mineral Fiber Roof Insulation Board¹

This standard is issued under the fixed designation C 726; 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 the composition and physical properties of mineral fiber insulation board used principally above structural roof decks as a base for built-up roofing in building construction.

1.2 The use of thermal insulation materials covered by this specification may be regulated by building codes or other agencies that address fire performance, or both. The fire performance of the material should be addressed through standard fire test methods established by the appropriate governing documents.

1.3 The values stated in inch-pound units are to be regarded as the standard. The values given in parentheses are for information only.

1.4 *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 the regulatory limitations prior to use.*

2. Referenced Documents

2.1 The following standards, of the issue in effect on the date of material purchase, form a part of this specification to the extent specified herein:

2.2 ASTM Standards:

C 165 Test Method for Measuring Compressive Properties of Thermal Insulations²

C 168 Terminology Relating to Thermal Insulating Materials²

C 177 Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded Hot Plate Apparatus²

C 203 Test Methods for Breaking Load and Flexural Properties of Block-Type Thermal Insulation²

C 209 Test Methods for Cellulosic Fiber Insulating Board²

C 236 Test Method for Steady-State Thermal Performance of Building Assemblies by Means of a Guarded Hot Box²

C 390 Criteria for Sampling and Acceptance of Preformed

Thermal Insulation Lots²

C 518 Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus²

C 976 Test Method for Thermal Performance of Building Assemblies by Means of a Calibrated Hot Box²

D 312 Specification for Asphalt Used in Roofing³

D 450 Specification for Coal-Tar Pitch Used in Roofing, Dampproofing, and Waterproofing³

D 2126 Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging⁴

E 84 Test Method for Surface Burning Characteristics of Building Materials⁵

3. Terminology

3.1 *Definitions*—Terms used in this specification are defined in Terminology C 168.

4. Ordering Information

4.1 Orders for material purchased under this specification shall include:

4.1.1 Designation of this specification,

4.1.2 Product name,

4.1.3 Board dimensions,

4.1.4 Quantity of material, and

4.1.5 Special packaging or marking, (13.1 and 13.2) if required.

5. Materials and Manufacture

5.1 Mineral fiber roof insulation board shall consist of mineral fibers with an organic resin or other suitable binder. It shall be faced during manufacture on one surface with a cover adequate for the application of Specification D 312 asphalt or Specification D 450 coal-tar pitch built-up roofing.

6. Physical Properties

6.1 The average thermal resistance, R , of specimens sampled in accordance with Criteria C390 shall be as specified by the manufacturer.

6.2 Nominal thickness required to obtain the specified

¹ This specification is under the jurisdiction of ASTM Committee C-16 on Thermal Insulation, and is the direct responsibility of Subcommittee C16.20 on Homogeneous Inorganic Thermal Insulations.

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² *Annual Book of ASTM Standards*, Vol 04.06.

³ *Annual Book of ASTM Standards*, Vol 04.04.

⁴ *Annual Book of ASTM Standards*, Vol 08.01.

⁵ *Annual Book of ASTM Standards*, Vol 04.07.