



Designation: C 764 – 9902

Standard Specification for Mineral Fiber Loose-Fill Thermal Insulation¹

This standard is issued under the fixed designation C 764; 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 nodulated mineral fiber thermal insulation for use in attics or enclosed spaces in housing and other framed buildings.

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

1.3 *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:

B 152 Specification for Copper, Sheet, Strip, Plate, and Rolled Bar²

C 168 Terminology Relating to Thermal Insulating Materials Insulation³

C 177 Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded Hot Plate Apparatus³

~~C 236 Test Method for Steady-State Thermal Performance of Building Assemblies by Means of a Guarded Hot Box³~~

~~C 390~~ Criteria 390 Criteria for Sampling and Acceptance of Preformed Thermal Insulation Lots³

C 518 Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus³

C 519 Test Method for Density of Fibrous Loose-Fill Building Insulations³

C 687 Practice for Determination of Thermal Resistance of Loose-Fill Type Building Insulation³

C 1104/C1104M Test Method for Determining the Water Vapor Sorption of Unfaced Mineral Fiber Insulation³

C 1304 Test Method for Assessing The Odor Emission of Thermal Insulation Materials³

C 1338 Test Method for Determining Fungi Resistance of Insulation Materials and Facings³

C 1363 Test Method for the Thermal Performance of Building Assemblies by Means of a Hot Box Apparatus³

E 136 Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C⁴

E 970 Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Energy Heat Source⁴

G 1 Practice for Preparing, Cleaning, and Evaluating Corrosion Test Specimens⁵

3. Terminology

3.1 *Definitions*—For definitions of terms used in this specification, refer to Terminology C 168.

4. Classification

4.1 The nodulated mineral fiber thermal insulation shall be of the following types and classes:

4.1.1 *Type I*—Pneumatic application.

4.1.2 *Type II*—Poured application.

¹ This specification is under the jurisdiction of ASTM Committee C-16 on Thermal Insulation and is the direct responsibility of Subcommittee C16.23 on Blanket and Loose Fill Insulation.

Current edition approved December 10, 1999; 2002. Published March 2000; October 2002. Originally published as C 764 – 73. Last previous edition C 764 – 989.

² Annual Book of ASTM Standards, Vol 02.01.

³ Annual Book of ASTM Standards, Vol 04.06.

⁴ Annual Book of ASTM Standards, Vol 04.07.

⁵ Annual Book of ASTM Standards, Vol 03.02.