



Designation: **C1014 – 08 (Reapproved 2013) C1014 – 17**

Standard Specification for Spray-Applied Mineral Fiber Thermal and Sound Absorbing Insulation¹

This standard is issued under the fixed designation C1014; 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.

1. Scope

1.1 This specification covers the composition and the physical properties of spray-applied mineral fiber thermal and sound absorbing insulation.

1.2 These mineral fibers shall be pneumatically conveyed to a spray nozzle where they are mixed with water. These mineral fibers shall have a binder either pre-mixed with the fibers or added at the spray nozzle with the water.

1.3 The spray-applied mineral fiber insulation is intended for use in building constructions at ambient conditions.

1.4 This is a material specification only and is not intended to cover methods of application that are supplied by the manufacturer.

1.5 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

1.6 *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:*²

[C168 Terminology Relating to Thermal Insulation](#)

[C177 Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus](#)

[C390 Practice for Sampling and Acceptance of Thermal Insulation Lots](#)

[C423 Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method](#)

[C518 Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus](#)

[C665 Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing](#)

[C1104/C1104M Test Method for Determining the Water Vapor Sorption of Unfaced Mineral Fiber Insulation](#)

[C1114 Test Method for Steady-State Thermal Transmission Properties by Means of the Thin-Heater Apparatus](#)

[C1149 Specification for Self-Supported Spray Applied Cellulosic Thermal Insulation](#)

[C1304 Test Method for Assessing the Odor Emission of Thermal Insulation Materials](#)

[C1338 Test Method for Determining Fungi Resistance of Insulation Materials and Facings](#)

[C1368 Test Method for Determination of Slow Crack Growth Parameters of Advanced Ceramics by Constant Stress-Rate Strength Testing at Ambient Temperature](#)

[E84 Test Method for Surface Burning Characteristics of Building Materials](#)

[E605 Test Methods for Thickness and Density of Sprayed Fire-Resistive Material \(SFRM\) Applied to Structural Members](#)

[E756/E736 Test Method for Measuring Vibration Damping Properties of Materials Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members](#)

[E759 Test Method for Effect of Deflection on Sprayed Fire-Resistive Material Applied to Structural Members](#)

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

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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.