



Designation: C1015 – 17

Standard Practice for Installation of Cellulosic and Mineral Fiber Loose-Fill Thermal Insulation¹

This standard is issued under the fixed designation C1015; 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 U.S. Department of Defense.

1. Scope

1.1 This practice covers procedures for the installation of cellulosic and mineral fiber loose-fill insulation in ceilings, attics, and floor and wall cavities of new or existing housing and other framed buildings.

1.2 This practice applies only to the installation of dry loose-fill thermal insulation consisting of cellulosic materials or mineral fiber by pneumatic or pouring application.

1.3 This practice covers the installation process from pre-installation inspection through post-installation procedure. It does not cover the production of the insulation materials.

1.4 This practice is not intended to replace the manufacturer's installation instructions, but shall be used in conjunction with such instructions. This practice is not intended to supersede local, state, or federal codes.

1.5 This practice assumes that the installer possesses a good working knowledge of the applicable codes and regulations, safety practices, tools, equipment, and methods necessary for the installation of thermal insulation materials. It also assumes that the installer understands the fundamentals of residential construction that affect the installation of insulation.

1.6 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.

1.7 *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. For specific precautionary statements, see Section 5.*

¹ This practice 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. Referenced Documents

2.1 ASTM Standards:²

- C168 Terminology Relating to Thermal Insulation
- C739 Specification for Cellulosic Fiber Loose-Fill Thermal Insulation
- C755 Practice for Selection of Water Vapor Retarders for Thermal Insulation
- C764 Specification for Mineral Fiber Loose-Fill Thermal Insulation

2.2 NFPA Standards:³

- NFPA 31 Standard for the Installation of Oil Burning Equipment
- NFPA 54 National Fuel Gas Code
- NFPA 70 National Electrical Code
- NFPA 211 Standard for Chimneys, Fireplaces, Vents and Solid-Fuel Burning Appliances

2.3 ICC Document:⁴

- International Residential Code 2003

2.4 Federal Standard:⁵

- FTC Trade Regulation Rule 16 CRF 460 Labeling and Advertising of Home Insulation

3. Terminology

3.1 *Definitions*—For definitions of terms used in this practice, see Terminology C168.

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *installer*—the person or persons who apply thermal insulation materials in residential buildings whether or not such person or persons have contracted with the owner to perform the work.

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 National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, MA 02169-7471, <http://www.nfpa.org>.

⁴ Available from International Code Council (ICC), 500 New Jersey Ave., NW, 6th Floor, Washington, DC 20001, <http://www.iccsafe.org>.

⁵ Federal Register Vol 70, No 103, May 31, 2005. Available from National Archives and Records Administration, 8601 Adelphi Road, College Park Maryland, 20740-6001.