



Designation: ~~C1101/C1101M – 06 (Reapproved 2017)~~ C1101/C1101M – 23

## Standard Test Methods for Classifying the Flexibility or Rigidity of Mineral Fiber Blanket and Board Insulation<sup>1</sup>

This standard is issued under the fixed designation C1101/C1101M; 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 These test methods cover the procedures for the classification of mineral fiber insulation as flexible, resilient flexible, semirigid, or rigid.

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 *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 limitations 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

ASTM C1101/C1101M-23  
<https://standards.iteh.ai/catalog/standards/sist/27ea93e-2961-4670-8db1-edbdb3563a66/astm-c1101-c1101m-23>  
2.1 *ASTM Standards:*<sup>2</sup>

C168 Terminology Relating to Thermal Insulation

### 3. Terminology

3.1 *Definitions*—Terminology C168 shall be considered as applying to the terms used in these test methods.

### 4. Significance and Use

4.1 Classification of insulation relative to flexibility or rigidity is useful in establishing installation and application characteristics.

### 5. Apparatus

5.1 *Iron Pipe*, ½-in. NPS (outside diameter 0.840 in. [21.3 mm]) measuring at least 12 in. [305 mm] in length.

<sup>1</sup> These test methods are under the jurisdiction of ASTM Committee C16 on Thermal Insulation and are the direct responsibility of Subcommittee C16.32 on Mechanical Properties.

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<sup>2</sup> 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.