



Designation: C 991 – 003

Standard Specification for Flexible Fibrous Glass-Fiber Insulation for Metal Buildings¹

This standard is issued under the fixed designation C 991; 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 classification, composition, and physical properties of flexible fibrous glass-fiber insulation for use as interior surface of walls and roofs of metal buildings.

1.2 The basic insulation blanket is designed to be post-processed by a laminating process that applies an adhesive bonded facing to provide the interior finish and vapor retarder requirements for the building envelope.

1.3 The thermal values measured in accordance with this specification for both pre-processed and post-processed insulation are for the insulation only and do not include the effects of air-film surface resistance, changes in mean temperature, or compression of insulation at the framing members of the building, through metal conductance of fasteners and other parallel heat-transfer paths due to design or installation techniques.

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

1.5 ~~The following safety caveat pertains to the Test Method section of this specification:~~ *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~~ requirements prior to use.*

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.

Current edition approved Nov 10, 2000; Oct. 1, 2003. Published February 2001; November 2003. Originally published as C 991 – 83; approved in 1983. Last previous edition approved in 2000 as C 991 – 9800.