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needed for the specimen to reach a constant weight, in an atmosphere that is 22.8 °C. ±2 °C. and 50 percent ±5 percent relative humidity.

§ 164.009-19 Measurement of moisture and volatile matter content.

(a) The measurements described in this section are made to determine the moisture and volatile matter content of a sample.

(b) A specimen cut from the density specimen of a sample is conditioned for at least one week, and for any additional time needed for the specimen to reach a constant weight, in an atmosphere that is 22.8 °C. ±2 °C., and 50 percent ±5 percent relative humidity. The conditioned specimen is then weighed and transferred to a previously weighed wide mouth weighing bottle that has a glass stopper. With the stopper removed, the bottle, stopper, and specimen are heated at 105 °C. ±5 °C. for four hours. After four hours, the stopper is inserted in the bottle and the bottle and sample are cooled and weighed.

(c) The content of moisture and volatile matter is the difference between the two weighings and is reported as a percentage of the weight of the conditioned specimen.

§ 164.009-21 Laboratory report.

The laboratory report of the test and measurements of a material contains the following:

- (a) Name of the designated laboratory.
- (b) Name of manufacturer of the material.
- (c) Date of receipt of the material and dates of the test and measurements.
- (d) Trade name of the material.
- (e) Description of the material.
- (f) Density of the sample.
- (g) Percentage of moisture and volatile matter in the sample.
- (h) Description of the specimens tested if the specimens are prepared from composite material.
- (i) If the test was done on individual components of the sample, a description of the components.
- (j) Test results including the following:
 - (1) Complete time and temperature data for each thermocouple.

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(2) Each observation of flame emission and the time and duration of each emission.

§ 164.009-23 Factory inspection.

The Coast Guard does not inspect noncombustible materials approved under this subpart on a regular schedule. However, the Commander of the Coast Guard District in which a factory is located may detail a marine inspector at any time to visit a factory where a noncombustible material is manufactured to conduct an inspection of the manufacturing and quality control procedures and to select representative samples of the material for examination or tests to verify that the material is as stated in the original application for approval. The manufacturer is advised in advance of the time of testing samples selected and may witness the tests upon request.

§ 164.009-25 Marking.

The manufacturer must mark each shipping container for an approved noncombustible material with the approval number and date of approval of the material.

Subpart 164.012—Interior Finishes for Merchant Vessels

§ 164.012-1 Applicable specifications.

- (a) The following specifications, of the issue in effect on the contract date for the particular installation on any vessel, form a part of this subpart:
 - (1) American Society for Testing Materials' standard: E 84-98, Standard Test Method for Surface Burning Characteristics of Building Materials.
 - (2) National Fire Protection Association's standard: NFPA No. 255—Method of Test of Surface Burning Characteristics of Building Materials.
 - (3) Coast Guard specifications: 164.008—Bulkhead Panels for Merchant Vessels. 164.009—Incombustible Materials for Merchant Vessels.
- (b) A copy of this subpart, together with copies of the specifications referred to in this section, shall be kept on file by the manufacturer of any Interior Finish except those qualifying under §164.012-5(c). It should be noted that the standards listed in paragraphs

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(a) (1) and (2) of this section are identical and, therefore, only one need to be kept on file. The Coast Guard specifications may be obtained upon request from the Commandant (CG-521), U.S. Coast Guard, 2100 2nd St., SW., Stop 7126, Washington, DC 20593-7126. The American Society for Testing Materials Standards may be purchased from that society at 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959. The National Fire Protection Association Standard may be purchased from that association at 1 Batterymarch Park, Quincy, MA 02269.

[CGFR 61-15, 26 FR 9303, Sept. 30, 1961, as amended by CGFR 65-16, 30 FR 10903, Aug. 21, 1965; CGD 88-070, 53 FR 34537, Sept. 7, 1988; CGD 95-072, 60 FR 50467, Sept. 29, 1995; CGD 96-041, 61 FR 50734, Sept. 27, 1996; USCG-1999-5151, 64 FR 67185, Dec. 1, 1999; USCG-2009-0702, 74 FR 49238, Sept. 25, 2009]

§ 164.012-5 Scope.

(a) The purpose of this specification is to set forth the fire protection standards for "Interior Finishes" applied to "Bulkhead Panels" or "Incombustible Materials" approved under subpart 164.008 or 164.009 of this subchapter. The term "Interior Finish" means any coating, overlay, or veneer except standard paint which is applied for decorative or other purpose. It includes not only the visible finish, but all material used in its composition and in its application to the approved "Bulkhead Panel" or "Incombustible Material." When finishes are applied to both sides of a panel, each must comply with this specification.

(b) "Interior Finishes" of not more than 0.075" thickness qualifying under §164.012-10 and those materials which are described in paragraph (c) of this section, may be used without restriction on all merchant vessels, including those locations where combustible veneers, trim, moldings, and decorations are specifically prohibited by subpart 72.05 of subchapter H (Rules and Regulations for Passenger Vessels) of this chapter.

(c) With the exception of nitrocellulose or other highly inflammable or noxious fume-producing paints or lacquers (which are prohibited), a limited number of coats of any standard paint, or any "Incombustible Material" ap-

proved under subpart 164.009 of this subchapter in any thickness, or a combination thereof, are considered as automatically satisfying the intent of this specification and no test or proof of compliance will be required. Paint may be applied to one or both sides of "Bulkhead Panels" or "Incombustible Materials," but it shall never be applied as an internal layer in sandwich or laminar construction.

[CGFR 61-15, 26 FR 9303, Sept. 30, 1961]

§ 164.012-10 Requirements.

(a) For an "Interior Finish" to qualify under this specification it shall not be more than 0.075 inch thick (including adhesive and any underlayment) and shall be subjected to the test described in either standard listed in §164.012-1(a) (1) or (2). The "Interior Finish" shall be applied to a ¼-inch asbestos cement board, "Bulkhead Panel" or "Incombustible Material" approved under subparts 164.008 and 164.009, in the same manner as will be employed for the shipboard installation. The classification ratings determined by this test shall not exceed the following values:

Flame spread classification	20
Smoke classification	10

(b) [Reserved]

[CGFR 70-143, 35 FR 19967, Dec. 30, 1970]

§ 164.012-11 Marking.

In addition to that information required by the recognized laboratory, the following information and special markings shall be included:

Complies with USCG subpart 164.012. Approval No. 164.012/—.

[CGFR 70-143, 35 FR 19967, Dec. 30, 1970]

§ 164.012-12 Recognized laboratory.

A recognized laboratory is one which is operated as a nonprofit public service and is regularly engaged in the examination, testing, and evaluation as to the safety of insulation and surfacing materials; which has an established factory inspection, listing, and labeling program; and which has standards for evaluating listing and labeling which are acceptable to the Commandant. The following laboratories are recognized: