INCH-POUND

MIL-F-26862B (AR)
AMENDMENT 2
10 April 1989
SUPERSEDING
AMENDMENT 1
10 June 1988

MILITARY SPECIFICATION

FIBERBOARD, SOLID, NON-CORROSIVE
FUNGI-RESISTANT FOR INTERIOR BLOCKING APPLICATIONS

This Amendment forms a part of Military Specification MIL-F-26862B (PA), dated 26 June 1970, and is approved for use within the U.S. Army Armament, Munitions and Chemical Command, and is available for use by all Departments and Agencies of the Department of Defense.

PAGE 8

* 4.4.5 Dusting. Delete in its entirety and substitute:

"4.4.5 Dustiness.

4.4.5.1 Scope. This test is designed to measure the extent to which fine particles break loose from materials to repeated impacts from a falling weight by determining the resulting loss in weight of the specimen expressed as dusting in percent of initial weight.

4.4.5.2 Apparatus.

a. Balance or scales sufficiently sensitive to weigh the specimen to the nearest 0.001 g.

b. A 5 by 5 inch piece of woven wire, mesh screen with 10 uniformly sized openings per linear inch (100 openings per square inch). The screen wire shall be No. 20 gage brass or bronze.

c. A piece of flat, smooth steel not less than 6 by 6 by 1/4 inches.

d. A cylindrical steel disk weighing 0.75 ± 0.01 pound and having a diameter of 1.37 ± 0.01 inches. The edges shall be rounded to a radius not to exceed 0.02 inches.

e. A release mechanism to insure the specified height of drop and a flat impact of the disk on the specimen.

4.4.5.3 Specimens. The test specimens shall be taken at random and in sufficient number to adequately represent the material. Unless otherwise specified, the specimen shall be 4 ± 1/8 inches square end and of sufficient thickness or number of layers to measure not less than 3/4 and not more than 1 1/2 inches thick. Specimens shall be cut to size with a shears, knife, or other technique that does not deposit or remove fragments in the specimen. Precautions shall be taken to insure that an abnormal quantity of fragments and dust are not formed during the cutting process.

4.4.5.4 Conditioning. The surface of each specimen shall have free access to the conditioning atmosphere. Unless otherwise specified, the specimens shall be conditioned to equilibrium in a uniformly maintained atmosphere of 73° ± 3.5°F and 50 ± 5 percent relative humidity. A specimen shall be considered at equilibrium when the change in weight during a one (1) hour or longer period of conditioning does not exceed 0.02 percent of the specimen's weight at the end of the period. Unless otherwise specified, condition desiccants by heating at 250°F for 24 hours.

4.4.5.5 Procedure. Unless otherwise specified, the test shall be performed in the final conditioning environment. Weigh the conditioned specimen to the nearest 0.001g. This weight will be known as the "test weight". Place the steel plate on the table or test bench, the screen on the plate, and the specimen on the screen so that each is centered beneath the cylindrical disk in the release position. Drop the cylindrical disk from a clear height of ten (10) inches so that it impacts flatwise upon the specimen. Recenter (see above), if necessary, and repeat the drop, continuing until a total of 10 drops are made. Carefully lift the specimen off the screen. Gently brush off any loose fragments that settled so they fall onto the screen. Then weigh the specimen to the nearest 0.001g. The extent of dusting shall be the loss in weight expressed as a percentage of the test weight as follows:

$$\text{Dusting (percent)} = \frac{100 \times \text{loss in weight}}{\text{test weight}}$$

When specified, all particles of the material which separate from the specimen and remain on the wire mesh shall be gathered and weighed. Then express the portion retained on the No. 10 mesh as a percentage of the test weight. Thus:

$$\text{Percent retained on No. 10 mesh} = \frac{100 \times \text{weight retained}}{\text{test weight}}$$

Then compute the portion passing the No. 10 mesh screen as the difference. Thus:

Percent passing No. 10 mesh = dusting (percent)
- percent retained on No. 10 mesh*

The margins of this amendment are marked with an asterisk or vertical line to indicate where changes (additions, modifications, corrections, deletions) from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

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