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Specification
No. 382

DEPARTMENT OF COMMERCE

BUREAU OF STANDARDS

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UNITED STATES GOVERNMENT MASTER SPECIFICATION FOR
MATTING, RUBBER

FEDERAL SPECIFICATIONS BOARD SPECIFICATION No. 382

This specification was officially promulgated by the Federal Specifications Board on March 1, 1926, for the use of the departments and independent establishments of the Government in the purchase of rubber matting.

[The latest date on which the technical requirements of this specification shall become mandatory for all departments and independent establishments of the Government is June 1, 1926. They may be put into effect, however, at any earlier date after promulgation]

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I. GENERAL SPECIFICATIONS

All tests shall be made in accordance with the methods described in United States Government General Specification for Rubber Goods, Federal Specifications Board specification No. 59, and United States Government General Specification for Textile Materials, Federal Specifications Board specification No. 345, in effect on date of proposal.

II. TYPE

Rubber matting shall be of a single type, as described below.

III. MATERIAL AND WORKMANSHIP

Matting shall be free from defects in material and workmanship.

IV. GENERAL REQUIREMENTS

Matting shall be made of a layer of rubber backed with one ply of cotton sheeting, or have a cotton sheeting insertion.

Matting shall be 24, 30, 36, or 42 inches wide, with a tolerance of $\pm \frac{1}{8}$ inch and not less than $\frac{3}{32}$, $\frac{1}{8}$, $\frac{3}{16}$, or $\frac{1}{4}$ inch thick over all, as specified in the proposal.

Matting shall be furnished in rolls of approximately 25 yards for $\frac{1}{4}$ -inch matting and approximately 50 yards for matting less than $\frac{1}{4}$ -inch thick. Each roll shall contain but one piece.

The upper surface shall be corrugated with triangular corrugations approximately $\frac{1}{8}$ inch apart and $\frac{1}{16}$ inch in depth.

V. DETAIL REQUIREMENTS

1. RUBBER COMPOUND.—The rubber compound shall be properly vulcanized free from fiber and from objectionable odors. The surface shall not show blisters, cracks, embedded foreign matter, or other physical defects. The tensile strength and ultimate elongation shall be not less than 450 pounds per square inch and 250 per cent, respectively.

2. FABRIC.—The sheeting shall be evenly woven from good cotton and as free from defects as is consistent with the best manufacturing practice. It shall have 40 to 50 threads per inch in both warp and filling and shall weigh not less than 5 ounces per square yard. It shall have a breaking strength of not less than 55 pounds per inch in warp and filling, determined by the grab method.

3. FLEXIBILITY.—The matting when doubled in any direction shall sustain a weight of 100 pounds for five minutes on the fold without cracking. The test shall be performed by placing the weight on a board 12 inches long, the weight resting directly and entirely on the fold, which shall be at least 12 inches long.

4. FRICTION.—The adhesion of the backing to the rubber shall be such that a weight of 4 pounds applied to a test strip 1 inch wide shall cause separation at a rate not greater than 1 inch per minute.

VI. SAMPLING, INSPECTION, AND TESTS

The manufacturer shall notify the purchaser sufficiently in advance of the completion of the matting to permit of arrangements for inspection.

Inspection and tests shall be made at the place of manufacture unless otherwise specified, manufacturer providing a place for conducting tests; also necessary help, equipment, etc.

One running foot of matting shall be selected from each delivery of three rolls or less, and 1 foot of the unfriktioned cotton sheeting the full width of the bolt, used for backing, for test.

The inspector shall after tests mark the remainder of samples, with manufacturer's name, order, requisition, and item numbers and forward them to the proper laboratory for any further tests.

Any lot represented by a sample which fails in one or more tests may be retested at the expense of the contractor. For this purpose two additional samples shall be selected. Failure of either in any respect shall be cause for rejection.

VII. PACKING AND MARKING

Matting shall be packed and marked as called for in the proposal.

VIII. NOTES

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