

MIL-M-15562F(NAVY)
AMENDMENT 4
30 March 1987
SUPERSEDING
AMENDMENT 3
6 July 1983

MILITARY SPECIFICATION

MATTING OR SHEET, FLOOR COVERING
INSULATING FOR HIGH VOLTAGE APPLICATION

This amendment forms a part of MIL-M-15562F(NAVY), dated 7 December 1977, and is approved for use within the Department of the Navy and is available for use by all Departments and Agencies of the Department of Defense.

PAGE 1

- * 2.1: Delete and substitute:

"2.1 Government documents.

2.1.1 Specifications and standards. The following specifications and standards form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of these documents shall be those listed in the issue of the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto, cited in the solicitation."

Under "SPECIFICATIONS, MILITARY", delete "MIL-B-3149 - Bailing of Clothing and Equipage."

Delete parenthetical source paragraph and substitute:

- * "(Copies of specifications, standards, and other Government documents required by contractors in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting activity.)"

DD 1426 note, line 3: Delete "Naval Ship Engineering Center, SEC 6124" and substitute "Naval Sea Systems Command (SEA 5523)".

- * DD 1426 note, line 4 Delete "20362" and substitute "20362-5101".

AMSC N/A

FSC 7220

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PAGE 2

* 2.2: Delete and substitute:

"2.2 Other publications. The following documents form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of the documents which are DoD adopted shall be those listed in the issue of the DoDISS specified in the solicitation. Unless otherwise specified, the issues of documents not listed in the DoDISS shall be the issue of the nongovernment documents which is current on the date of the solicitation.

UNIFORM CLASSIFICATION COMMITTEE AGENT

Uniform Freight Classification Ratings, Rules and Regulations

(Application for copies should be addressed to the Uniform Classification Agent, Tariff Publication Officer, Room 1106, 222 South Riverside Plaza, Chicago, IL 60606.)

* NATIONAL MOTOR FREIGHT TRAFFIC ASSOCIATION, INC., AGENT
National Motor Freight Classification

(Application for copies should be addressed to the National Motor Freight Traffic Association, Inc., ATA Traffic Dept., 2200 Mill Road, Alexandria, VA 22314.)

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

- D 412 - Tension Testing of Vulcanized Rubber. (DoD adopted)
- D 1204 - Changes in Linear Dimensions of Nonrigid Thermoplastic Sheetting or Film Measuring.
- D 1242 - Resistance to Abrasion of Plastic Materials, Test for. (DoD adopted)
- D 2240 - Indentation Hardness of Rubber and Plastics by Means of a Durometer, Test for. (DoD adopted)

(Application for copies should be addressed to the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.)

* (Nongovernment standards and other publications are normally available from the organizations which prepare or which distribute the documents. These documents also may be available in or through libraries or other informational services.)"

3.2.1. Delete.

3.3.2: Delete and substitute:

"3.3.2 Type III. The type III mat shall have raised diamond-shaped figures as shown on figure 1. The back side shall be finished with a cloth fabric or cloth imprint."

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3.5: Delete and substitute:

"3.5 Size. Unless otherwise specified (see 6.2.1), the length of the rolls shall be 25 yards with a maximum tolerance of plus or minus 3.0 yards. Two pieces are permitted in a single roll, the smallest piece being not less than 5 yards long. The two piece requirement is restricted to no more than 50 percent of each lot. Unless otherwise specified (see 6.2.1), type I sheeting shall be available in 36- and 72-inch widths with zero minus tolerance. Unless otherwise specified (see 6.2.1), types II and III matting shall be available in a 36-inch width with zero minus tolerance with finished, straight edges."

3.7.1, line 2: Delete "for types I and II and 1200 pounds per square inch for type III,".

3.8: Delete and substitute:

"3.8 Ultimate elongation. The ultimate elongation for type I shall be not less than 75 percent, and for type II and type III not less than 100 percent, when tested as specified (see 4.7.5)."

* 3.10: Delete and substitute:

"3.10 Hardness. The material, when tested as specified (see 4.7.7), shall have a Shore A durometer hardness of 95 ± 5 for type I, 75 minimum for type II, and 65 minimum for type III."

PAGE 4

4.1: Delete and substitute:

"4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements."

* 4.1.1: Add as new paragraph:

"4.1.1 Responsibility for compliance. All items must meet all requirements of sections 3 and 5. The inspection set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the specification shall not relieve the contractor of the responsibility of assuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling in quality conformance does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to acceptance of defective material."

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* Table I: Delete and substitute:

"TABLE I. Test methods.

Property	Test requirements			Applicable	Test method
	Type I	Type II	Type III		
Thickness, inch, minimum	0.125	0.125	0.1875	3.4	----
Color	----	----	----	3.6	----
Tensile strength, lb/in ²					
Initial	800	800	800	3.7.1	4.7.1
after immersion, sulphuric acid	70 percent of initial	70 percent of initial	70 percent of initial	3.7.2	4.7.2
after oxygen bomb aging	80 percent of initial	80 percent of initial	80 percent of initial	3.7.3	4.7.3
after light aging	65 percent of initial	65 percent of initial	65 percent of initial	3.7.4	4.7.4
Ultimate elongation, percent min.	75	100	100	3.8	4.7.5
Permanent set, percent max.	25	25	25	3.9	4.7.6
Hardness	95+5 -0	75 minimum	65 minimum	3.10	4.7.7
Abrasion resistance, mils loss, max.	10	20	----	3.11	4.7.8
Flexibility	shall pass	shall pass	shall pass	3.12	4.7.9
Voltage	shall pass	shall pass	shall pass	3.13	4.7.10
Dielectric strength, volts, min.	30,000	30,000	30,000	3.14	4.7.11
Fire resistance	shall pass	shall pass	shall pass	3.15	4.7.12
Dimensional stability, inch/foot	+ 0.020	+ 0.250	+ 0.250	3.16	4.7.13
Identification marking	----	----	----	3.17	----

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4.3.1, lines 3 and 4: Delete "Naval Ship Engineering Center (Engineering Materials and Services Office)" and substitute "Naval Sea Systems Command (NAVSEA)".

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4.4.2.1, last line: Delete and substitute: "which shall have an AQL of 1.0 percent critical, inspection level II."

PAGE 6

4.7.6: Delete and substitute:

"4.7.6 Permanent set. Permanent set shall be determined in accordance with ASTM D 412. The specimens shall be elongated 75 percent for type I, and 100 percent for types II and III in the test. Specimen thickness shall be as specified (see 3.4)."

PAGE 7

* Paragraph 5 and parenthetical statement: Delete and substitute:

"5. PACKAGING

(The packaging requirements specified herein apply only for direct Government acquisition. For the extent of applicability of the packaging requirements of referenced documents listed in section 2, see 6.5.)"

PAGE 8

* 6.2 and 6.2.1. Delete and substitute:

"6.2 Ordering data.

6.2.1 Acquisition requirements. Acquisition documents should specify the following:

- (a) Title, number, and date of this specification.
- (b) Type required (see 1.2).
- (c) When a first article is required for inspection and approval (see 3.1, 4.3, and 6.3).
- (d) Width and length of roll required (see 3.5).
- (e) Color required (see 3.6).
- (f) Conditioning of specimens, if other than specified (see 4.7).
- (g) Level of packaging and level of packing (see 5.1 and 5.2).
- (h) Special marking, if required (see 5.3)."

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- * 6.3: Delete and substitute:

"6.3 First article. When a first article inspection is required, the items should be a first article sample. The first article should consist of one unit. The contracting officer should include specific instructions in acquisition documents regarding arrangements for examinations, approval of first article test results and disposition of first articles. Invitations for bids should provide that the Government reserves the right to waive the requirement for samples for first article inspection to those bidders offering a product which has been previously acquired or tested by the Government, and that bidders offering such products, who wish to rely on such production or test, must furnish evidence with the bid that prior Government approval is presently appropriate for the pending contract."

- * 6.3.1: Delete in its entirety.

- * 6.3.2: Delete in its entirety.

Add new paragraph 6.5

- * "6.5 Sub-contracted material and parts. The packaging requirements of referenced documents listed in section 2 do not apply when material and parts are acquired by the contractor for incorporation into the equipment and lose their separate identity when the equipment is shipped."

PAGE 10

FIGURE 1: Delete and substitute the attached figure 1.

LAST PAGE

- * DD 1426, Standardization Document Improvement Proposal. Delete address and substitute

"COMMANDER
NAVAL SEA SYSTEMS COMMAND (SEA 5523)
DEPARTMENT OF THE NAVY
WASHINGTON, DC 20362-5101"

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The margins of this amendment are marked with an asterisk 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.

Review activity:

Navy - AS

Preparing activity:

Navy - SH

(Project 7220-N231)

User activities:

Navy - CG, MC, OS, YD

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SH 11114

FIGURE 1. Full scale pattern for diamond tread matting.

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NOTE This form may not be used to request copies of documents, nor to request waivers, deviations, or clarification of specification requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

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b. ADDRESS (Street, City, State, ZIP Code)

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b. Recommended Wording

c. Reason/Rationale for Recommendation

6. REMARKS

7a. NAME OF SUBMITTER (Last, First, MI) - Optional

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