

MIL-I-22023A

INTERIM AMENDMENT-I(SHIPS)

6 July 1961

MILITARY SPECIFICATION

INSULATION FELT, THERMAL AND SOUND ABSORBING FELT,
FIBROUS GLASS, FLEXIBLE

This interim amendment forms a part of Military Specification MIL-I-22023A, 2 May 1961. It was developed by the Department of the Navy, Bureau of Ships for immediate use pending the inclusion of its contents in a coordinated document.

Page 1, paragraph 2.1: Delete reference to Military Specification MIL-I-16688.

Page 1, paragraph 2.2: Add the following:

"AMERICAN SOCIETY FOR TESTING MATERIALS

C167-50 - Method of Test for Thickness and Density of Blanket- or Batt-Type Thermal Insulating Materials.

C177-45 - Method of Test for Thermal Conductivity of Materials by Means of the Guarded Hot Plate.

C423-60 - Method of Test for Sound Absorption of Acoustical Materials in Reverberation Rooms (Tentative).

(Application for copies should be addressed to the American Society for Testing Materials, 1916 Race Street, Philadelphia 3, Pennsylvania.)"

Page 2, paragraph 3.9.2: Delete and substitute the following:

"3.9.2 Sound absorption coefficients. - The coefficients of absorption of the felt shall not be less than the values shown in table II:

"Table II - Coefficients of absorption

Felt thickness inches (nominal)	Frequency, cycles per second					
	125	250	500	1000	2000	4000
1/2	0.04	0.10	0.20	0.55	0.55	0.55
1	.06	.20	.45	.65	.65	.65
2	.15	.40	.75	.75	.75	.70
3	.20	.60	.90	.80	.80	.75
4	.25	.65	.95	.85	.85	.80"

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Page 3, figure 1: Delete.

Page 3, paragraph 4.4.3: Delete and substitute:

"4.4.3 Thickness and density. - Thickness and density shall be determined in accordance with the method specified in ASTM Standard C167-50."

Page 4, paragraph 4.4.8.2, line 5: Delete "figure 2" and substitute "figure 1".

Page 4, paragraph 4.4.9: Delete and substitute:

"4.4.9 Thermal conductivity. - Conductivity shall be determined in accordance with the method specified in ASTM Standard C177-45."

Page 5, paragraph 4.4.11: Delete and substitute:

"4.4.11 Sound absorption coefficients. - Sound absorption coefficients shall be determined by laying felt on the floor of a reverberation room and testing in accordance with the method specified in ASTM Standard C423-60."

Page 5, Figure 2: Renumber as "Figure 1".

Preparing activity:

Navy - Ships

(Project 5640-N017Sh)