

MIL-C-24576A(SH)
27 July 1987
SUPERSEDING
MIL-C-24576(SH)
25 July 1978
(See 6.5 and 6.7)

MILITARY SPECIFICATION

CLOTH, SILICA GLASS; CLOTH, COATED, GLASS, SILICONE RUBBER COATED

This specification is approved for use by the Naval Sea Systems Command, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 Scope. This specification establishes the requirements for two types of woven cloth intended for use in protecting equipment and personnel from spatter from metal welding and cutting operations.

1.2 Classification. The cloth shall be the following types, as specified (see 6.2.1):

Type I - Silica glass

Class 1 - Heavyweight

Class 2 - Lightweight

Type III - Fibrous glass coated with silicone rubber

2. APPLICABLE DOCUMENTS

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.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, Naval Sea Systems Command, SEA 5523, Department of the Navy, Washington, DC 20362-5101 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

FSC 8305

DISTRIBUTION STATEMENT A Approved for public release; distribution unlimited

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SPECIFICATIONS

FEDERAL

- PPP-P-1133 - Packaging of Synthetic Fiber Fabrics.
- PPP-P-1136 - Packaging of Coated (Plastic; Rubber) and Laminated Fabrics.

MILITARY

- MIL-Y-1140 - Yarn, Cord, Sleeving, Cloth, and Tape-Glass.

STANDARDS

FEDERAL

- FED-STD-191 - Textile Test Methods.
- FED-STD-313 - Material Safety Data Sheet Preparation and the Submission of.

MILITARY

- MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes.

(Copies of specifications and standards required by contractors in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting activity.)

2.1.2 Other Government publication. The following other Government publication forms a part of this specification to the extent specified herein. Unless otherwise specified, the issues shall be those in effect on the date of the solicitation.

U.S. COAST GUARD (USCG)

- USCG 164.009 - Incombustible Materials for Merchant Vessels.

(Application for copies should be addressed to the Commandant (MMT), U.S. Coast Guard Headquarters, 400 Seventh Street, S.W., Washington, DC 20013.)

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.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

- C 871 - Standard Methods for Chemical Analysis of Thermal Insulation Materials for Leachable Chloride, Fluoride Silicate, and Sodium Ions.
- D 512 - Standard Test Methods for Chloride Ion in Water. (DoD adopted)
- D 1682 - Standard Test Methods for Breaking Load and Elongation of Textile Fabrics.

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ASTM (Continued)

- D 1777 - Standard Method for Measuring Thickness of Textile Materials.
- D 2000 - Standard Classification System for Rubber Products in Automotive Applications. (DoD adopted)
- D 3773 - Standard Test Methods for Length of Woven Fabric.
- D 3774 - Standard Test Methods for Width of Woven Fabric.
- D 3775 - Standard Test Method for Fabric Count of Woven Fabric.
- D 3776 - Standard Test Methods for Mass per Unit Area (Weight) of Woven Fabric.
- D 3951 - Standard Practice for Commercial Packaging. (DoD adopted)
- D 4029 - Standard Specification for Finished Woven Glass Fabrics.
- D 4157 - Standard Test Method for Abrasion Resistance of Textile Fabrics (Oscillatory Cylinder Method).

(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.)

2.3 Order of precedence. In the event of a conflict between the text of this specification and the references cited herein (except for associated detail of specifications, specification sheets or MS standards), the text of this specification shall take precedence. Nothing in this specification, however, shall supersede applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1 First article. When specified in the contract or purchase order, a sample shall be subjected to first article inspection (see 4.3 and 6.3).

3.2 Material. Asbestos and components containing asbestos are prohibited. Material shall be asbestos free. When specified in the contract or purchase order, a certificate of compliance shall be prepared (see 6.2.2).

3.2.1 Cloth. Cloth shall be as specified in 3.2.1.1 and 3.2.1.2.

3.2.1.1 Type I. The warp and fill yarns of type I cloth shall be composed of amorphous silica glass. The cloth shall not contain additive amount of cristobalite, quartz, and tridymite. Significant amounts of these minerals shall not be added during processing. When specified in the contract or purchase order, a certificate of compliance shall be prepared (see 6.2.2).

3.2.1.2 Type III. The warp and fill yarns used in the manufacture of type III base cloth shall be composed of 100 percent continuous filament glass yarns, and shall be in accordance with MIL-Y-1140.

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3.2.2 Recovered materials. Unless otherwise specified herein, all material incorporated in the products covered by this specification shall be new and may be fabricated using materials produced from recovered materials to the maximum extent practicable without jeopardizing the intended use. The term "recovered materials" means materials which have been collected or recovered from solid waste and reprocessed to become a source of raw materials, as opposed to virgin raw materials. None of the above shall be interpreted to mean that the use of used products is allowed under this specification unless otherwise specifically specified.

3.3 Physical properties. Physical properties shall be as specified in 3.3.1 and 3.3.2.

3.3.1 Uncoated and untreated cloth. Prior to coating or treatment, the cloth shall be as specified in table I.

TABLE I. Requirements for uncoated or untreated cloth.

Property	Type I		Type III
	Class 1	Class 2	
Silica content, percent	96.0 min	96.0 min	- - -
Weave	8 or 12 Harness satin	8 Harness satin	8 Harness satin
Style	- - -	- - -	Style no. 1584 ^{1/}
Yarns per inch			
Warp	42-54	42-54	42-46
Fill	32-44	32-44	33-37
Weight (oz/yd ²)	31-39	17-21	23-29
Color	Tan	Tan	White/buff

^{1/} Standard commercial style designation.

3.3.2 Coated or treated cloth. The coated or treated cloth shall be as specified in table II.

3.3.2.1 Certificate of compliance. When specified in the contract or purchase order, a certificate of compliance shall be prepared to certify US Coast Guard approval for incombustible materials for flame resistance.

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TABLE II. Requirements for treated or coated cloth.

Property	Type I		Type III
	Class 1	Class 2	
Weight (oz/yd ²)	31-39	17-21	30-36
Thickness (inch)	0.040-0.062	0.023-0.032	0.035-0.043
Color	Red/black	Red/black	Red/black
Breaking strength (lb/in)			
Warp (min)	200	80	375
Fill (min)	150	55	225
Flame resistance			
After flame (sec. max)	(see 3.3.2.1)	(see 3.3.2.1)	5
After glow (sec. max)			4
Char length (inch, max)			1
Abrasion resistance (cycles)			
Warp (min)	100	20	800
Fill (min)	100	20	800
Blocking rating (max)	NR ^{1/}	NR ^{1/}	No. 1
Chloride content p/m (max)	250	250	250

^{1/} NR = None required.

3.4 Width. The width of type I material, including selvage, shall be 36 (plus 2, minus 1) inches. The width for type III cloth shall be 38 or 60 (plus 2, minus 1) inches (see table V).

3.5 Length. Unless otherwise specified (see 6.2.1), the cloth shall be provided in rolls not less than 50 yards, nor more than 55 yards, in length. Rolls shall contain not more than two pieces, and no individual piece shall be less than 5 yards (see table V).

3.6 Noncombustibility. Type I material shall be certified as noncombustible (see 4.7).

3.7 Treatments and coatings. Treatments and coatings shall be as specified in 3.7.1 through 3.7.2.1.

3.7.1 Type I cloth. Type I cloth shall be impregnated from both sides with a treatment to minimize dusting and to increase the abrasion resistance of the cloth. The treatment shall contain no fluoro-carbons or any other halogenated hydrocarbons. When specified in the contract or order, a certificate of compliance shall be prepared as acceptable proof that the treatment does not contain these compounds (see 6.2.2).

3.7.1.1 Color of type I. When specified (see 6.2.1), type I, class 1 and 2 cloth shall be pigmented in red or black. Iron oxide shall be used for the red, and zinc oxide shall be used for the black. Otherwise, the color of type I treatment shall be natural, with no added pigmentation. The coloring shall retain its permanence during normal handling, and shall be non-toxic and flame resistant.

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3.7.2 Type III cloth. Type III cloth shall be impregnated on both sides with a silicone rubber compound conforming to ASTM D 2000, M3FC 507 B37. When specified in the contract or order a certificate of compliance shall be prepared (see 6.2.2).

3.7.2.1 Color of type III. When specified (see 6.2.1), the silicone compound shall be pigmented with iron oxide to produce a red color, or zinc oxide to produce a black color. Otherwise, the color of type III shall be white or buff. The coloring shall retain its permanence during normal handling. The coloring agent shall be non-toxic and flame resistant as specified in 3.6.

3.8 Tickets. A piece ticket shall be attached to each roll. The ticket shall be in accordance with PPP-P-1136, except that the entries may be handwritten.

3.9 Identification markings. Unless otherwise specified (see 6.2.1), each sheet shall be legibly and permanently marked with the following information:

- (a) Non-asbestos.
- (b) Specification number and class.
- (c) Manufacturer's name.
- (d) Manufacturer's product identity.

Markings shall be not less than 3/8 inch in height. Markings shall be on one side only, and on every square foot, or less, of the material.

3.10 Material safety data sheet (type III only). The contracting activity shall be provided a material safety data sheet (MSDS) at the time of contract award. The MSDS is form OSHA-20, found in and part of FED-STD-313. The MSDS shall be included with each shipment of the material covered by this specification (see 6.4).

3.11 Workmanship. The treated or coated cloth shall conform to the quality of product established by this specification, and the occurrence of defects shall not exceed the specified acceptable quality levels (see 4.4.2).

4. QUALITY ASSURANCE PROVISIONS

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.

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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.

4.2 Classification of inspections. The inspection requirements specified herein are classified as follows:

- (a) First article (see 4.3).
- (b) Quality conformance (see 4.4).

4.3 First article inspection. First article inspection shall consist of the examinations specified in 4.4.4 and the tests specified in 4.5 and 4.6.

4.3.1 First article sample. The first article sample shall consist of a 3-yard, full-width sample of each type and class of cloth provided at any one time.

4.3.2 First article test report. When specified in the contract or purchase order, a first article test report shall be prepared (see 6.2.2).

4.4 Quality conformance inspection. Quality conformance inspection shall consist of the examinations specified in 4.4.3 and 4.4.4, and the tests specified in 4.5 and 4.6. When specified in the contract or purchase order, a quality conformance test report shall be prepared (see 6.2.2).

4.4.1 Inspection lot. An inspection lot shall consist of cloth of the same type manufactured under the same conditions and offered for delivery at one time.

4.4.2 Sampling. Unless otherwise specified herein, sampling for inspection shall be in accordance with MIL-STD-105.

4.4.3 Inspection of base material. The base glass cloth used in the production of types I and III shall conform to the inspection requirements of ASTM D 4029 for cloth.

4.4.4 Inspection of the end item. Inspection of the end item shall be as specified in 4.4.4.1 through 4.4.4.3.2.

4.4.4.1 Examination of end item. Defects in the end item shall be classified as shown in tables III and IV. The cloth shall be examined visually to determine conformance to this specification.

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TABLE III. Classification of defects (type I cloth).

Defect	Major	Minor
Any hole, cut, tear, or smash	X	
Any dirt or foreign matter 1 square inch or greater	X	
less than 1 square inch		X
Any brittle or fused area	X	
Width less than minimum specified	X	

TABLE IV. Classification of defects (type III cloth).

Defect	Major	Minor
Any hole, cut, or tear	X	
Any uncoated area	X	
Any blister, tunnel, or delamination of coating	X	
Any dirt, spot, or foreign matter 1 square inch or greater	X	
less than 1 square inch		X
Width less than minimum specified	X	

4.4.4.2 Yard-by-yard examination. The required yardage of each roll of cloth shall be inspected on at least one side. If only one side is inspected, the side of inspection shall be alternated on every other roll examined. Defects found shall be counted regardless of their proximity of one to another, except where two or more defects represent a single local condition of the cloth, in which case only the more serious defect shall be counted. A continuous defect shall be counted as one defect for each linear yard, or fraction thereof, in which it occurs. The unit of product for this examination shall be 1 linear yard. The acceptable quality level (AQL) shall be 2.5 major and 6.5 total defects (major and minor combined) per 50 units. The lot size shall be expressed in units of 1 linear yard. The sample size shall be selected in accordance with inspection level II of MIL-STD-105.

4.4.4.3 Examination for length. End item length shall be examined as specified in 4.4.4.3.1 and 4.4.4.3.2.

4.4.4.3.1 Individual rolls. The rolls shall be examined for gross length. Any gross length found to be less than the specified minimum length (see 3.5), or any gross length found to be more than 2 yards below the gross length marked on the ticket, shall be considered a defect with respect to length. Any roll of cloth containing more than the maximum number of pieces specified (see 3.5), shall also be considered a defect with respect to length. The lot size shall be expressed in units of 1 linear yard. The AQL shall be 4.0. The sample size shall be selected in accordance with inspection level S-2 of MIL-STD-105.

4.4.4.3.2 Total yardage in sample. The lot shall be unacceptable if the total of the actual gross lengths of rolls in the sample (see 4.4.4.3.1) is less than the total of the gross lengths marked on the tickets.

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4.5 Testing of the end item. The method of testing shall be as specified in table V and 4.6. The physical values specified in section 3 apply to the average of the determinations per sample as shown in table V.

TABLE V. Instructions for testing.

Characteristics	Requirement	Test method	Number of determinations per test sample unit	Results reported to the nearest
Silica content	table I	See 4.6.1	3	0.1 percent
Weave	table I	Visual	1	pass or fail
Style	table I	ASTM D 4029	1	pass or fail
Yarns per inch	table I	ASTM D 3775	1 (each direction)	1 yarn/inch
Treatment or coating type	3.7.1 and 3.7.2	See 4.7	1	pass or fail
Weight	tables I and II	ASTM D 3776	1	0.1 ounce/yd ¹
Thickness	table II	ASTM D 1777	2	0.001 inch
Width	3.4	ASTM D 3774	1	0.001 inch
Length	3.5	ASTM D 3773	1	0.001 inch
Color	tables I and II and 3.7.1.1 and 3.7.2.1	Visual	1	pass or fail
Breaking strength	table II	ASTM D 1682	4 (each direction)	1 pound/inch
Flame resistance	table II	FED-STD-191, method 5903.2	2 (each direction)	
Type I	3.6			0.2 second ^{1/}
Type III	table II			0.2 second ^{1/}
After flame				0.1 inches ^{1/}
After glow				
Char length				
Abrasion resistance	table II	See 4.6.3	4 (each direction)	1 cycle
Blocking	table II	FED-STD-191, method 5872	1	Scale rating
Chloride content	table II	<u>2/</u>	1	pass or fail

^{1/} As applicable to type III.

^{2/} Preparation of the sample shall be in accordance with ASTM C 871. Testing shall be in accordance with ASTM D 512, method A.

4.5.1 Acceptance criteria. The lot shall be unacceptable if one or more units fail to meet any requirements specified. The lot size shall be expressed in units of 1 linear yard for cloth. The sample unit for testing shall be 2 yards full width. The sample size for testing shall be as follows:

<u>Lot size (yards)</u>	<u>Sample size</u>
800 or less	2
801 up to and including 22,000	3
22,001 and over	5

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4.6 Tests. Tests shall be as specified in 4.6.1 through 4.6.3.

4.6.1 Silica content. The silica content of the cloth shall be determined as follows:

- (a) Place the specimen in a crucible and ignite with a burner under full flame for 10 minutes.
- (b) Cool in a desiccator until ambient temperature equilibrium is established, and weigh a 0.5 ± 0.1 gram specimen to 0.001 gram into a pre-weighed platinum crucible with cover.
- (c) Add five drops of 1:1 sulfuric acid-water solution.
- (d) Carefully add enough 49 percent reagent grade hydrofluoric acid to fill the crucible to about 50 percent capacity.
- (e) Place the crucible on a hot plate at $135 \pm 14^\circ\text{C}$ and evaporate slowly under a fume hood until fuming ceases. Do not allow splattering.
- (f) Repeat steps (d) and (e).
- (g) Ignite the crucible for 10 minutes under full flame of the burner after the second evaporation.
- (h) Cool in a desiccator and weigh the crucible with cover.
- (i) Calculate the silica content as follows:

$$\text{Percent silica content} = \frac{b - c}{b - a} \times 100$$

Where:

- a = tare weight of crucible with cover, gram.
- b = initial weight of sample and crucible with cover, gram.
- c = final weight of sample and crucible with cover, gram.

4.6.2 Noncombustibility. Type I material shall be tested for noncombustibility in accordance with USCG 164.009 (see 3.6).

4.6.3 Abrasion resistance. The abrasion resistance test shall be performed as specified in ASTM D 4157, except that the test shall be continued until destruction of the cloth occurs. For the testing of type I cloth, a 2-pound load, 2-pound tension, and a 600-grit paper shall be used; for the testing of type III cloth, a 2-pound load, a 6-pound tension, and 320-grit paper shall be used. During testing of all types, the yarns facing the drum shall be parallel to the direction of oscillation (see table II).

4.7 Certificate of compliance. When specified in the contract or purchase order, a certificate of compliance shall be prepared (see 6.2.2).

4.8 Inspection of packaging. Sample packages and packs, and the inspection of the preservation-packaging, packing and marking for shipment and storage shall be in accordance with the requirements of section 5 and the documents specified therein.

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5. PACKAGING

(The packaging requirements specified herein apply only for direct Government acquisition.)

5.1 Put-up, packaging, packing and marking. Cloth shall be put-up and packaged level A or C, packed level A, B, or C as specified (see 6.2.1), and marked in accordance with PPP-P-1136 (for both types) or PPP-P-1133 (for type I only).

5.1.1 Commercial practices. Cloth shall be packed and marked in accordance with ASTM D 3951.

5.2 Special marking. Shipping containers and rolls shall be marked "ASBESTOS-FREE" (see 6.2.1). Shipping rolls for type III only may be marked "ASBESTOS-FREE" on roll tickets instead of on the cloth.

6. NOTES

6.1 Intended use. Cloth is intended for use as protective material during welding and cutting operations.

6.1.1 Type I. Type I, classes 1 and 2 are suitable for stress-relieving operations. Type I, class 1 material is a pliable heavyweight fabric which provides thermal protection against metal encountered during welding or heavy cutting operations. Type I, class 2 material is a lightweight, very pliable fabric suitable for use in light welding applications where thermal shielding against weld sparks is required.

6.1.2 Type III. Type III material is coated to improve abrasion resistance, durability, and strength. This material tends to repel molten metal rather than retain the slag, and is used in less severe welding and cutting applications than is type I. Type III is for welder's curtains, and is limited to use in the vertical position. Signs should be posted in areas where welding is performed to warn passersby of possible ultraviolet reflection.

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 sample is required (see 3.1).
- (d) Length, if other than specified (see 3.5).
- (e) Color, if other than specified (see 3.7.1.1 or 3.7.2.1).
- (f) Identification markings, if other than specified (see 3.9).
- (g) Level of packaging and packing (see 5.1).
- (h) Special marking requirements (see 5.2).

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6.2.2 Data requirements. When this specification is used in an acquisition and data are required to be delivered, the data requirements identified below shall be developed as specified by an approved Data Item Description (DD Form 1664) and delivered in accordance with the approved Contract Data Requirements List (CDRL), incorporated into the contract. When the provisions of DoD FAR Supplement, Part 27, Sub-Part 27.410-6 (DD Form 1423) are invoked and the DD Form 1423 is not used, the data specified below shall be delivered by the contractor in accordance with the contract or purchase order requirements. Deliverable data required by this specification are cited in the following paragraphs.

<u>Paragraph no.</u>	<u>Data requirement title</u>	<u>Applicable DID no.</u>	<u>Option</u>
4.3.2	Report, first article test	DI-T-4902	----
4.4	Inspection and test report	DI-T-5329	----
3.2, 3.2.1.1, 3.3.2.1, 3.7.1, 3.7.2, 4.7	Certificate of compliance	DI-E-2121	----

(Data item descriptions related to this specification, and identified in section 6 will be approved and listed as such in DoD 5010.12-L., AMSDL. Copies of data item descriptions required by the contractors in connection with specific acquisition functions should be obtained from the Naval Publications and Forms Center or as directed by the contracting officer.)

6.2.2.1 The data requirements of 6.2.2 and any task in sections 3, 4, or 5 of this specification required to be performed to meet a data requirement may be waived by the contracting/acquisition activity upon certification by the offeror that identical data were submitted by the offeror and accepted by the Government under a previous contract for identical item acquired to this specification. This does not apply to specific data which may be required for each contract regardless of whether an identical item has been supplied previously (for example, test reports).

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.

6.4 Material safety data sheets. Contracting officers will identify those activities requiring copies of completed Material Safety Data Sheets (MSDS) prepared in accordance with FED-STD-313. The pertinent Government mailing addresses for submission of data are listed in appendix B of FED-STD-313. In order to obtain the MSDS, FAR clause 52.223-3 must be in the contract (see 3.10).

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6.5 Supersession data. This specification includes the requirements of MIL-C-24576(SH) dated 25 July 1978.

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Type I
 Class 1
 Class 2
 Type III
 Type III

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Type I
 Class 1
 Class 2
 Type II
 Class 2
 Type III
 Class 1
 Class 2

Type II cloth silica glass coated with silicone rubber, has been deleted from this specification.

6.6 Subject term (key word) listing.

Cloth, coated, treated
 Glass, fibrous
 Glass, silica
 Fire resistant materials
 Noncombustibility
 Oxide, iron
 Oxide, zinc
 Yarn

6.7 Changes from previous issue. Asterisks are not used in this revision to identify changes with respect to the previous issue, due to the extensiveness of the changes.

Preparing activity:
 Navy - SH
 (Project 8305-N915)

INSTRUCTIONS: In a continuing effort to make our standardization documents better, the DoD provides this form for use in submitting comments and suggestions for improvements. All users of military standardization documents are invited to provide suggestions. This form may be detached, folded along the lines indicated, taped along the loose edge (*DO NOT STAPLE*), and mailed. In block 5, be as specific as possible about particular problem areas such as wording which required interpretation, was too rigid, restrictive, loose, ambiguous, or was incompatible, and give proposed wording changes which would alleviate the problems. Enter in block 6 any remarks not related to a specific paragraph of the document. If block 7 is filled out, an acknowledgement will be mailed to you within 30 days to let you know that your comments were received and are being considered.

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



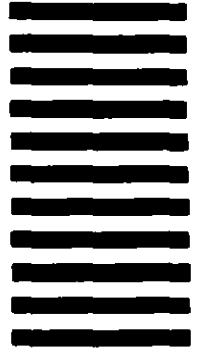
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STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions - Reverse Side)

1. DOCUMENT NUMBER MLL-C-24576A(SH)		2. DOCUMENT TITLE Cloth, Silica Glass; Cloth, Coated, Glass, Silicone Rubber	
3a. NAME OF SUBMITTING ORGANIZATION		4. TYPE OF ORGANIZATION (Mark one)	
b. ADDRESS (Street, City, State, ZIP Code)		<input type="checkbox"/> VENDOR	
		<input type="checkbox"/> USER	
		<input type="checkbox"/> MANUFACTURER	
		<input type="checkbox"/> OTHER (Specify): _____	
5. PROBLEM AREAS			
a. Paragraph Number and Wording:			
b. Recommended Wording:			
c. Reason/Rationale for Recommendation:			
6. REMARKS			
7a. NAME OF SUBMITTER (Last, First, MI) - Optional		b. WORK TELEPHONE NUMBER (Include Area Code) - Optional	
c. MAILING ADDRESS (Street, City, State, ZIP Code) - Optional		8. DATE OF SUBMISSION (YYMMDD)	

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PREVIOUS EDITION IS OBSOLETE.