

MIL-F-43583

29 May 1968

MILITARY SPECIFICATION

FAIR LINEN, ALTAR

This specification is mandatory for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 Scope.- This specification covers the requirements for fair linens, altar.

1.2 Classification.- The linens shall be of one type in the following sizes, as specified (see 6.2).

Large - (For 8 ft. altar)
Small - (For 5 ft. altar)

2. APPLICABLE DOCUMENTS

2.1 The following documents, of the issue in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

SPECIFICATIONS

FEDERAL

V-T-276 - Thread, Cotton
CCC-T-191 - Textile Test Methods
PPP-B-636 - Box, Fiberboard
PPP-F-320 - Fiberboard, Corrugated and Solid Sheet Stock
(Container Grade) and Cut Shapes

STANDARDS

FEDERAL

Fed. Std. No. 751 - Stitches, Seams and Stitchings

FSC 9925

MIL-F-43583

MILITARY

- MIL-STD-105 - Sampling Procedures and Tables for Inspection
By Attributes
- MIL-STD-129 - Marking for Shipment and Storage

(Copies of specifications, standards, drawings and publications required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer).

3. REQUIREMENTS

3.1 Samples.-

3.1.1 Guide sample.- Samples, when furnished, are solely for guidance and information to the supplier (see 6.3). Variation from the specification may appear in the sample in which case the specification shall govern.

3.1.2 First article.- When specified (see 6.2), before production is commenced, a sample of the finished item shall be submitted or made ready for the contracting officer or his authorized representative for inspection as specified in 4.2. The approval of the preproduction sample authorizes the commencement of production, but does not relieve the supplier of responsibility for compliance with all applicable provisions of this specification. The preproduction sample shall be manufactured in the same facilities to be used for the manufacture of the production items.

3.2 Materials.-

3.2.1 Cloth, linen.- The linen cloth shall be bleached white, plain weave, having a minimum weight of 4.50 ounces per square yard and a minimum total of 104 yarns per square inch (warp plus filling).

3.2.2 Thread, cotton.- The cotton thread for stitching and seaming shall be bleached white and shall conform to type I Cl, ticket No. A/3 of V-T-276.

3.3 Construction.- One side of the fair linen shall be a selvage edge. The other side and both ends shall have a $2 + 1/16$ inch hem. The hem at each end shall have a turn under with the stitching $1/32$ to $1/16$ inch from the turned edge. The corners shall be mitered and the diagonal underseam shall be stitched to secure each mitered corner.

MIL-F-43583

3.4 Pressing and Cleaning.- The fair linens shall be pressed with a heated pressing iron or machine. Remove all spots and stains and trim all thread ends.

3.5 Stitches, seams and stitchings.- Unless otherwise specified herein, the stitching of the end hems shall be type EF-bl and the stitch type shall be 301 conforming to Fed. Std. No. 751. The stitches per inch shall be 10 to 14. Thread breaks in stitching shall be overstitched not less than 1/2 inch on each side of the break. Ends of all seams and stitching, when not caught in other seams or stitching, shall be backstitched not less than 1/2 inch.

3.6 Measurements.- The finished fair linens shall measure as shown in table I when laid out flat without tension.

TABLE I.- Finished Measurements.

Size	Length (Inches)	Width (Inches)
Large	136	34
Small	100	34
Tolerance	<u>±</u> 1	<u>±</u> 1/2

3.7 Workmanship.- The finished fair linens shall conform to the quality and grade of product established by this specification. The occurrence of defects shall not exceed the applicable acceptable quality levels.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection.- Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or order the supplier 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.

MIL-F-43583

4.1.1 Certificate of compliance.- Where certificates of compliance are submitted, the Government reserves the right to check test such items to determine the validity of the certification.

4.2 First article inspection.- When required, the preproduction sample submitted in accordance with 3.1.2 shall be inspected for defects as specified in 4.3.2.1 and 4.3.2.2 for compliance with construction, workmanship and dimensional requirements.

4.3 Inspection.- Sampling for inspection shall be performed in accordance with MIL-STD-105, except where otherwise indicated hereinafter.

4.3.1 Component and material inspection.- In accordance with 4.1 above, components and materials shall be tested in accordance with all requirements of referenced specifications, drawings, and standards unless otherwise excluded, amended, modified or qualified in this specification or applicable purchase documents. In addition to the quality assurance provisions of referenced subsidiary specifications and standards, testing shall be performed on component listed in table II for the characteristics shown. The test methods listed in table II shall be in accordance with CCC-T-191, wherever applicable. The lot size shall be expressed in units of one linear yard. The sample unit shall be one continuous yard, full width. The sample size shall be as follows and the lot shall be unacceptable if one or more units fail to meet any requirement specified.

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

TABLE II.- Fabric component tests.

<u>Component</u>	<u>Characteristic</u>	<u>Requirement paragraph</u>	<u>Test Method</u>
Linen cloth	Fiber identification	3.2.1	1/
	Weight	3.2.1	50 ⁴ 1
	Weave	3.2.1	Visual
	Yarns per inch (total of warp and filling)	3.2.1	1/
	Bleached white	3.2.1	Visual

1/ A supplier's certification of compliance will be acceptable for this characteristic.

MIL-F-43583

4.3.2 Inspection of end item.-

4.3.2.1 Visual examination of end item.- Defects found during this examination shall be classified in accordance with list shown in table III. The sample unit for this examination shall be one fair linen. The lot size shall be expressed in units of one fair linen. The sample size shall be in accordance with inspection level III and the acceptable quality level shall be 2.5 major and 6.5 total (major and minor combined) defects per hundred units.

TABLE III.- Visual examination of defects.

Examination	Defect	Classification	
		Major	Minor
Material defects	Holes, cuts, tears, any smash, broken or missing yarns, multiple floats.	X	
Color	Not white.	X	
Cleanliness	Any spot or stain.	X	
	Thread ends not trimmed or loose threads not removed.		X
Construction and workmanship	Not selvage edge on one side.		X
	Hem on one side or ends missing.	X	
	Any corner not mitered.	X	
	Mitered corner not securely stitched.		X
	Hems not straight or not of uniform width.		X
	Hems twisted or pleated.		X
	Any raw edge.		X
	Needle chews.	X	
	Not pressed.	X	
Burned or scorched.	X		
Seams and stitching			
a. General	Ends of seams or stitching when not caught in other seams or stitching backstitched less than 1/2 inch.		X
	Thread breaks overstitched less than 1/2 inch on each break.		X

MIL-F-43583

TABLE III.- Visual examination of defects. (Cont'd)

Examination	Defect	Classification	
		Major	Minor
Seams and stitching (cont'd)			
b. Open seam	Open seam on hem 1/2 inch or more in length.	X	
	Open seam on hem less than 1/2 inch in length.		X
c. Stitching type and stitch type	Wrong stitching or stitch type.		X
d. Stitches per inch	Less than eight stitches per inch.	X	
	Eight or nine stitches per inch.		X
	More than fourteen stitches per inch.		X
e. Stitch tension	Loose tension resulting in loose seam.	X	
	Tight tension (stitches break when normal strain is applied to hem).	X	
f. Gage of stitching	Irregular i.e., unevenly gaged.		X
	Stitching less than 1/32 inch from edge.	X	
	More than 1/16 inch from edge.		X

4.3.2.2 Dimensional examination.- The fair linens shall be examined for dimensional defects. Any dimension not within the specified tolerance shall be classified as a defect. The sample size shall be in accordance with inspection level S-3 and the acceptable quality level shall be 4.0 defects per hundred units. The sample unit shall be one fair linen. The lot size shall be expressed in units of one fair linen.

MIL-F-43583

4.3.2.3 Examination of preparation for delivery.- An examination shall be made to determine that packaging, packing and marking requirements of section 5 of this specification are complied with. Defects shall be scored in accordance with table IV. The sample unit shall be one shipping container fully prepared for delivery with the exception that it need not be sealed. Defects of closure listed below shall be examined on shipping containers fully prepared for delivery. The lot size shall be the number of shipping containers in the end item inspection lot. The inspection level shall be S-2 and the AQL shall be 2.5 defects per hundred units.

TABLE IV.- Examination of preparation for delivery.

<u>Examine</u>	<u>Defect</u>
Marking (exterior and interior)	Omitted, incorrect, illegible, of improper size, location, sequence, or method of application.
Materials	Any component missing or damaged.
Workmanship	Inadequate application of components such as incomplete closure of flaps, loose strapping, improper taping and inadequate stapling.
	Bulged or distorted container.
Content	Number of packages per container is more or less than required.

5. PREPARATION FOR DELIVERY

5.1 Packaging.- Packaging shall be level A or C, as specified (see 6.1).

5.1.1 Level A.- Each fair linen shall be neatly folded and placed upon a single wall or solid fiberboard pad, having a minimum bursting strength of 200 pounds per square inch. Each fair linen, together with the fiberboard pad, shall be inserted into a snug-fitting, clear, polyethylene film bag of 0.002 inch thickness (+ 20 percent tolerance). The bag shall be formed with heat sealed seams that are straight, continuous and parallel to each other and the formed edges of the bag. The final closure of the bag shall be heat sealed with the seal made as close as possible to the open end. A 1/4 inch diameter hole shall be made at one corner of the polyethylene bag to allow excess air to escape. Alternatively, the

MIL-F-43583

final closure of the bag shall be accomplished by folding over and securing the open end to the bag body with pressure-sensitive tape. The size of the fair linen fold and fiberboard pad shall be as specified in table V.

TABLE V.- Dimensional requirements for fold and fiberboard pad.

Size of fair linen	Fold Size (Approx. Inches)		Pad Size (Approx. Inches)	
	Length	Width	Length	Width
Large	9	8-1/2	8-3/4	8-1/4
Small	9	6-1/2	8-3/4	6-1/4

5.1.2 Level C.- Fair linens shall be packaged to afford adequate protection against deterioration and physical damage during shipment from the supply source to the first receiving activity. The supplier may use his standard practice when it meets this requirement.

5.2 Packing.- Packing shall be level A, B, or C as specified (see 6.3).

5.2.1 Level A.- Forty fair linens of one size only, packaged as specified in 5.1, shall be packed in a fiberboard shipping container conforming to style RSC-L, grade V2s of PPP-B-636. The inside of each container shall be fitted with a taped liner conforming to type CF, class weather-resistant, variety DW, grade V15c of PPP-F-320. Level A packages shall be packed flat two in length, two in width, and ten in depth. Inside dimensions of each shipping container shall approximate 20 inches in length, 18 inches in width, and 10-1/2 inches in depth for the large size, and 20 inches in length, 14 inches in width, and 10-1/2 inches in depth for the small size. Approximate dimensions are furnished as a guide only. Each shipping container shall be closed, waterproofed, and reinforced with strapping or tape banding in accordance with the appendix of PPP-B-636.

5.2.2 Level B.- Forty fair linens of one size only, packaged as specified in 5.1, shall be packed in a fiberboard shipping container conforming to style RSC-L, type CF (variety SW), or SF, class domestic, grade 275 of PPP-B-636. The inside of each container shall be fitted with a taped liner conforming to type CF, class domestic, variety DW, grade 275 of PPP-F-320. Level A packages shall be packed flat two in length, two in width, and ten in depth. Inside dimensions of each shipping container shall approximate 20 inches in length, 18 inches in width and 10-1/2

MIL-F-43583

inches in depth for the large size and 20 inches in length, 14 inches in width and 10-1/2 inches in depth for the small size. Approximate dimensions are furnished as a guide only. Each shipping container shall be closed in accordance with method II as specified in the appendix of PPP-B-636.

5.2.2.1 When specified (see 6.2), the shipping container shall be grade V3c or V3s fiberboard box fabricated in accordance with PPP-B-636 and closed in accordance with the appendix of the container specification. The shipping container material may also be grade V4s of PPP-F-320.

5.2.3 Level C.- Fair linens, packaged as specified in 5.1, shall be packed in a manner to insure carrier acceptance and safe delivery at destination at the lowest transportation rate for such supplies. Containers shall be in accordance with rules or regulations of carriers applicable to the mode of transportation.

5.3 Marking.- In addition to any special marking required by the contract or order, interior packages and shipping containers shall be marked in accordance with MIL-STD-129.

5.3.1 Polyethylene bagged packages.- Polyethylene bagged packages shall have the required information legibly printed or stamped in black directly on the bag across the center face or on a white paper label inserted within the bag so as to permit ready identification. The bag or label shall indicate the following information:

STOCK NUMBER
ITEM DESCRIPTION
QUANTITY AND UNIT
CONTRACT OR PURCHASE NUMBER

6. NOTES

6.1 Intended use.- The fair linen, altar is for use in religious services held in military chapels.

6.2 Ordering data.- Procurement documents should specify the following:

- (a) Title, number and date of this specification.

MIL-F-43583

- (b) First article.- When a preproduction sample is required (see 3.1.2).
- (c) Selection of applicable level of packaging and packing (see 5.1 and 5.2).
- (d) When weather-resistant grade fiberboard shipping containers are required for level B packaging (see 5.2.2.1).

6.3 Supersession data.- This specification includes the requirements of Purchase Description dated 24 March 1960, and Deviation List dated 6 February 1963.

6.4 Samples.- For access to samples, address the procuring activity issuing the invitation for bids or request for proposal.

Custodians:

Army - GL
Navy - PE
Air Force - 28

Preparing activity:

Army - GL
Project No. 9925-0157

Review activities:

Navy - PE
Air Force - 28
Armed Forces Chaplains Board

SPECIFICATION ANALYSIS SHEET		Form Approved Budget Bureau No. 22-R255
<p>INSTRUCTIONS: This sheet is to be filled out by personnel, either Government or contractor, involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or serve to amend contractual requirements.</p>		
<p>SPECIFICATION Fair Linen, Altar MIL-F-43583</p>		
<p>ORGANIZATION</p>		
<p>CITY AND STATE</p>		<p>CONTRACT NUMBER</p>
<p>MATERIAL PROCURED UNDER A <input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT</p>		
<p>1. HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE? A. GIVE PARAGRAPH NUMBER AND WORDING.</p>		
<p>B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES</p>		
<p>2. COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID</p>		
<p>3. IS THE SPECIFICATION RESTRICTIVE? <input type="checkbox"/> YES <input type="checkbox"/> NO (If "yes", in what way?)</p>		
<p>4. REMARKS (Attach any pertinent data which may be of use in improving this specification. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity)</p>		
<p>SUBMITTED BY (Printed or typed name and activity - Optional)</p>		<p>DATE</p>

DD FORM 1426
1 JAN 66

REPLACES EDITION OF 1 OCT 64 WHICH MAY BE USED.

FOLD

DEPARTMENT OF THE ARMY
U. S. Army Natick Laboratories
Natick, Massachusetts 01760

POSTAGE AND FEES PAID
DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS

Commanding General
U. S. Army Natick Laboratories
ATTN: AMXRES-EQS
Natick, Massachusetts 01760

FOLD
