

INCH-POUND

A-A-55235
October 15, 1993

COMMERCIAL ITEM DESCRIPTION

TARPAULIN; cotton duck, camouflage green 483;
20 feet by 20 inches

The General Services Administration has authorized the use of this Commercial Item Description in preference to Military Specification MIL-T-43389.

Abstract. The tarpaulin is designed to cover the junction where two shelters are placed end to end.

SALIENT CHARACTERISTICS

General description. The tarpaulin shall be comprised of a one piece main body panel and two separate lengths of tie-down ropes (see Figure 1). The tarpaulin shall be constructed from a single piece of cloth. Splicing of the main body panel shall not be permitted. All stitching shall conform to Type 301 of Federal Standard 751, 1 to 7 stitches per inch. The finished length of each tie-down rope shall be 25 feet plus or minus 3 inches.

Materials

Cloth, duck cotton. The cloth for the tarpaulin shall be greige (unbleached) cotton duck, 8.25 oz. per square yard fabric. The weave shall be plain, one up and one down. The warp yarns shall be plied and the filling yarns shall be singles or plied. The cloth shall be vat dyed and water and mildew resistant. The cloth color shall be Camouflage Green 483.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Defense Personnel Support Center, Clothing and Textiles Directorate, Attn: DPSC-FSSD, 2800 South 20th Street, Philadelphia, PA 19101-8419, by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

FSC 8340

DISTRIBUTION STATEMENT A.

Approved for public release;
distribution is unlimited.

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Physical requirements. The finished tarpaulin shall conform to the following requirements:

Table I
Physical Requirements for Cloth

	Min	Max
Weight (Oz/Sq. Yd)	8.25	9.25
Breaking Strength		
Warp (Lbs.)	125	
Filling	120	
Tearing Strength		
Warp (Lbs.)	4.0	
Filling	3.0	
Air Permeability (Cu. Ft./Min./Ft. Sq.)		4.0

Thread, polyester. The thread shall be a twisted soft multiple cord, 90 tex, 4 ply yarn (4,200 yds/lb min.) with a minimum breaking strength of 10.6 pounds min., and a final twist of 5.0 t.p.i. (min). The color of the thread shall be Camouflage Green 483.

Rope. The tie-down rope shall be manila, sisal or polyester with a diameter of 5/16 inch. Each end of tie-down rope shall be machine served using stitch Type 304 or 308, 12 to 16 stitches per inch. The stitching shall extend at least 1-1/2 inches from the free end of the rope. As an added alternate to above, three strand, dual fiber polyester/polypropylene can be used. The color of the polyester/polypropylene rope shall be Black.

Barcode

Label/tag. Each item shall be individually bar-coded with the Type VIII, Class 17 label/tag of DDD-L-20. This label/tag shall be located so that it is completely visible on each item when it is folded and/or packaged as specified and causes no damage to the item.

Workmanship. The finished tarpaulin shall conform to the quality of product established by this document. The occurrence of defects shall not exceed the applicable acceptable quality levels.

Product demonstration model. When required, offerers shall submit samples of their intended production. The Product Demonstration Model will consist of units independently developed. Product Demonstration Models will be analyzed and evaluated by the government. Evaluation criteria and basis for award are contained in the solicitation. Product Demonstration Models will be retained by the government. One (1) Product Demonstration Model approved by DPSC under the resultant contract will serve as a manufacturing standard for the corresponding production items delivered under this contract. Offerers are advised that the Product Demonstration Model does not relieve the successful offerer of his responsibility to perform in accordance with the Commercial Item Description specified above.

Regulatory requirements. The offeror/contractor is encouraged to use recovered materials in accordance with Public Law 94-580 to the maximum extent practicable.

QUALITY ASSURANCE

Certification. The contractor shall certify that the product offered meets the salient characteristics of this description and that the product conforms to the producer's own drawings, specifications, standards and quality assurance practices. The government reserves the right to require proof of such conformance prior to the first delivery and thereafter as may be otherwise provided for, under the provisions of the contract. Reliance on contractor QA systems shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to the government for acceptance comply with all requirements of the contract.

Metric product. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using the inch-pound units, provided they fall within specified tolerances using conversion tables contained in the latest revision of Federal Standard No. 376, and all other requirements of this Commercial Item Description are met. If a product is manufactured to metric dimensions and those dimensions exceed the tolerances specified in the inch-pound units, a request should be made to the contracting officer to determine if the product is acceptable. The contracting officer has the option of accepting or rejecting the product.

Examination

Visual examination. The tarpaulin shall be examined for the defects listed below. The lot size shall be expressed in units of tarpaulins. The sample unit is one tarpaulin. Tarpaulin lots shall be inspected in accordance with "Sampling Procedures and Tables for Inspection by Attributes", ANSI/ASQC Z1.4, published by the American Society for Quality Control.

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Defects. The tarpaulin shall be examined for the following defects: open seams (\pm 1 inch), or wrong seam or stitch type; any hole, cut, tear, splice; color of cloth or thread not as specified, any spot or stain; thread ends not removed, marking missing, incorrect or illegible, or measurement of tarpaulin not as specified.

Tie-down ropes not as specified; length not as specified, color not as specified, or free end of rope not finished as specified; bar code omitted or not readable by scanner; human-readable interpretation (HRI) omitted or illegible; not visible on folded packaged item; causes damage to the item.

Dimensional examination. The finished tarpaulin shall conform to the dimensions specified. Any dimension that is not within the established tolerance shall be classified as a defect. The sample unit shall be one tarpaulin. Unit of issue is each.

Packaging examination. The fully packaged shipping containers shall be examined in accordance with defects listed below. The lot size shall be the number of shipping containers in the inspection lot.

EXAMINE	DEFECT
Marking (exterior and interior)	omitted; incorrect; illegible; of improper size, location, or method of application
Materials	any component missing, damaged, or not as specified
Workmanship	inadequate application of components, such as: incomplete closure of container flaps, loose strapping, improper taping, or inadequate stapling
Content	number of items in container is more or less than required NSN shown on one or more items not as specified on shipping container
Palletization	length, width, or height exceeds specified maximum requirements pallet type not as specified load not bonded as specified

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End item performance testingTable II
(Greige Cloth)

Characteristic	Test Method
Yarn ply	Visual <u>1</u> /
Weight	ASTM-D 3776 (Option C)
Breaking strength	ASTM-D 5034
Tearing strength (8.25 oz)	ASTM-D 1424
Air permeability	ASTM-D 737
Weave	Visual <u>1</u> /
Hydrostatic resistance	AATCC 127-1985
Water resistance (Spray method)	AATCC 22-1985

1/ One determination shall be made from each sample unit and the results reported as "pass" or "fail."

Packaging

Preservation, packing, and marking. The tarpaulins shall be preserved, packed, and marked in accordance with the requirements of ASTM-D 3951, Standard Practice for Commercial Packaging, as specified for shipments to the Department of Defense, including Section 7.

NOTES

Source of Government Documents. Copies of Military and Federal documents are available from:

Standardization Documents Order Desk
Bldg. 4D
700 Robbins Avenue
Philadelphia, PA 19111-5094

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Sources of non-Government Documents.

Rules and Regulations Under the Textile Fiber
Products Identification Act is available from:

Federal Trade Commission
Washington, DC 20580-0001

ANSI/ASQC Z1.4 - Sampling Procedures and Tables For
Inspection By Attributes is available from:

American National Standards Institute (ANSI)
11 West 42nd Street
New York, NY 10036

Uniform Freight Classification Ratings, Rules
Regulations are available from:

Uniform Classification Committee
202 Union Station
Chicago, IL 60606

ASTM-D 3951 - Standard Practice for Commercial
Packaging is available from:

American Society for Testing and Materials (ASTM)
1916 Race Street
Philadelphia, PA 19103-1187

AATCC Chromatic Transference Scale is available from:

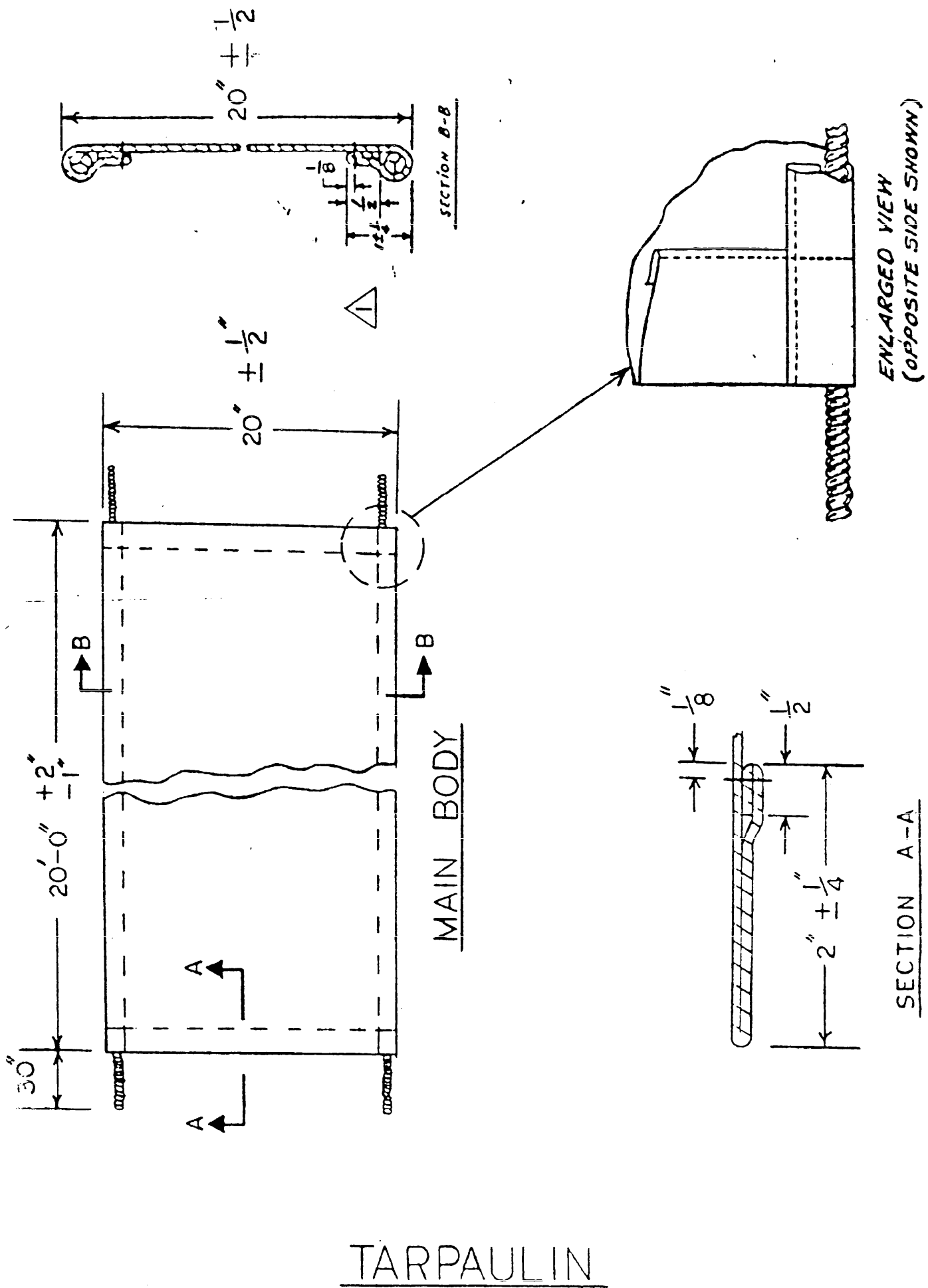
American Association of Textile Chemists & Colorists (AATCC)
P.O. Box 12215
Triangle Park, NC 27709-2215

Custodian:
Army-GL

Civil Agency Coordinating
Activity:
GSA - FSS

Preparing Activity:
DLA - CT

Project No.
8340-0564



STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of 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.

1. RECOMMEND A CHANGE:		1. DOCUMENT NUMBER A-A-55235	2. DOCUMENT DATE (YYMMDD) 93-10-15
3. DOCUMENT TITLE TARPAULIN; cotton duck, camouflage green 483; 20 feet by 20 inches			
4. NATURE OF CHANGE (Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)			
5. REASON FOR RECOMMENDATION			
6. SUBMITTER			
a. NAME (Last, First, Middle Initial)		b. ORGANIZATION	
c. ADDRESS (Include Zip Code)		d. TELEPHONE (Include Area Code) (1) Commercial (2) AUTOVON (if applicable)	7. DATE SUBMITTED (YYMMDD)
8. PREPARING ACTIVITY			
a. NAME Defense Personnel Support Center ATTN: DPSC-FSSD (12-3-D)		b. TELEPHONE (Include Area Code) (1) Commercial (215) 737-8105 (2) AUTOVON 444-8105	
c. ADDRESS (Include Zip Code) 2800 South 20th Street P. O. Box 8419 Philadelphia, Pennsylvania 19101-8419		IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT: Defense Quality and Standardization Office 5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466 Telephone (703) 756-2340 AUTOVON 289-2340	