

PPP-P-1136D
December 30, 1986
 SUPERSEDING
 PPP-P-1136C
 October 28, 1983

FEDERAL SPECIFICATION

PACKAGING OF COATED (PLASTIC; RUBBER) AND LAMINATED FABRICS

The specification is approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal agencies.

1. SCOPE

1.1 Scope. This specification covers the preservation, packing, and marking of coated (plastic; rubber) and laminated fabrics for shipment and storage.

2. APPLICABLE DOCUMENTS

2.1 Government publications. 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.

Federal Specifications:

A-A-203	- Paper, Kraft, Untreated
V-T-276	- Thread, Cotton
QQ-S-781	- Strapping, Steel, and Seals
PPP-B-576	- Boxes, Wood, Cleated, Veneer, Paper Overlaid
PPP-B-591	- Boxes, Shipping, Fiberboard, Wood-Cleated
PPP-B-601	- Boxes, Wood, Cleated-Plywood
PPP-B-636	- Boxes, Shipping, Fiberboard

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to U.S. Army Natick Research, Development, and Engineering Center, Natick, MA 01760-5014, 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

AREA PACK

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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PPP-B-640	- Boxes, Fiberboard, Corrugated, Triple-Wall
PPP-F-320	- Fiberboard: Corrugated and Solid, Sheet Stock (Container Grade), and Cut Shapes
PPP-S-760	- Strapping, Nonmetallic (and Connectors)
PPP-T-45	- Tape, Gummed, Paper, Reinforced and Plain, for Sealing and Securing
PPP-T-60	- Tape: Packaging, Waterproof
PPP-T-97	- Tape, Packaging/Industrial, Filament Reinforced

Federal Standards:

FED-STD-101	- Test Procedures for Packaging Materials
FED-STD-123	- Marking for Shipment (Civil Agencies)

(Activities outside the Federal Government may obtain copies of Federal specifications, standards, and commercial item descriptions as outlined under General Information in the Index of Federal Specifications, Standards, and Commercial Item Descriptions. The Index, which includes cumulative bimonthly supplements as issued, is for sale on a subscription basis by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.)

(Single copies of this specification, and other Federal specifications and commercial item descriptions required by activities outside the Federal Government for bidding purposes are available without charge from General Services Administration Business Service Centers in Boston, MA; New York, NY; Philadelphia, PA; Washington, DC; Atlanta, GA; Chicago, IL; Kansas City, MO; Fort Worth, TX; Denver, CO; San Francisco, CA; Los Angeles, CA; and Seattle, WA.)

(Federal Government activities may obtain copies of Federal standardization documents and the Index of Federal Specifications, Standards, and Commercial Item Descriptions from established distribution points in their agencies.)

Military Specifications:

MIL-B-121	- Barrier Material, Greaseproofed, Waterproofed, Flexible
MIL-L-10547	- Liners, Case, and Sheet, Overwrap; Water-Vaporproof or Waterproof, Flexible
MIL-L-35078	- Loads, Unit: Preparation of Semipерishable Subsistence Items, Clothing, Personal Equipment and Equipage; General Specification For

Military Standards:

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

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

2.2 Other publications. The following document forms a part of this specification to the extent specified herein. Unless a specific issue is identified, the issue in effect on date of invitation for bids or request for proposal shall apply.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

D 3951 - Standard Practice for Commercial Packaging

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

2.3 Order of precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document shall take precedence. Nothing in this document, however, shall supersede applicable laws and regulations unless a specific exemption has been obtained.

(Technical society and technical association documents are generally available for reference from libraries. They are also distributed among technical groups and using Federal agencies.)

3. REQUIREMENTS

3.1 General.

3.1.1 Material. The material shall be as specified herein.

3.1.2 Identification. Each roll shall have a piece ticket (identification tag) attached to the edge with not finer than 5-ply cotton string doubled to not less than 8 inches long or a plastic tag hanger 5 inch minimum in length. The piece ticket shall be made of not less than 15 point paper stock, and the finished surface shall not be calendered or pigmented to the degree which would cause the obliteration of printed, stamped, or typed markings. The piece ticket shall have a reinforced eyelet for attaching the tying cord or hanger and shall be legibly printed with water insoluble ink with the markings

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shown on figure 1. Entries on piece tickets (tags) shall be printed, stamped, or typed. Hand lettered entries are permitted, but hand-written entries are not permitted. The entries shall be complete and responsive with respect to the information required by the piece ticket legend (see figure 1).

3.2 Put-up. Put-up shall be level A or Commercial as specified (see 6.1).

3.2.1 Level A put-up. Fabrics shall be put-up in roll form only. A piece shall be considered as a continuous length free of splices. Unless otherwise specified in the material specification, the weight of each fabric roll shall not exceed 200 pounds, except when the weight of the specified yardage in one continuous piece exceeds 200 pounds. Unless otherwise specified in the material specification, more than one piece may be put-up on a roll. Fabrics shall be rolled open-width on a convolute or spiral-wound chipboard tube. The tube shall have an outer cover of kraft paper glued to the surface or an equivalent smooth finish surface that will prevent the fibers of the chipboard from transferring to the fabric. The tube shall have a minimum wall thickness of 0.1875 inch with a minimum inside diameter of 1.5 inches. The ends of the tube shall be flush with, or extend not more than 1 inch beyond each side of the maximum width of the rolled fabric (see figure 2). Fabrics shall be rolled with a minimum tension practicable to produce a "soft" roll. Fabrics having a face and a back shall be rolled with the face to the inside. The word "BACK" shall be legibly stamped on the proper side, on the outer heading of the cloth. There shall be no splices or seams. If two or more continuous pieces are permitted in a roll, each end shall be butted to the preceding piece.

3.2.2 Commercial put-up. Fabrics shall be put-up on rolls in accordance with the industry's standard practice.

3.3 Preservation. Preservation shall be level A or Commercial as specified (see 6.1).

3.3.1 Level A preservation. Each roll of fabric shall be wrapped in 70 pound minimum basis weight kraft paper conforming to A-A-203. The roll shall be wrapped so that the paper will completely encircle the roll twice with a minimum overlap of 3 inches, and the width of the paper shall be sufficient to fold over and protect the ends of the roll. Gummed paper tape, 2 1/2 inches minimum width conforming to PPP-T-45, type III, grade C, shall be applied on the overlap seam the full length of the roll, across each end, and extend along the side opposite the overlap seams 2 1/2 inches. Strips of tape shall be applied crosswise over the ends and shall extend a minimum of 2 1/2 inches along the length of the roll (see figure 2).

3.3.1.1 Alternative unit packing of rolls.

a. Each roll of fabric shall be enclosed within a double-wall (2 ply) paper tube or bag, fabricated of 80 pound minimum basis weight kraft paper conforming to A-A-203. The tube shall be of sufficient size to effect top and bottom closures specified herein. Bottom closure of the bag or tube shall be effected by folding 1 1/2 inches (single turnover) on one end and sewing approximately 3/4 inch from the bottom of the fold. The bag or tube bottom closure shall also be made by evenly folding a strip of paper tape over the open end and sewing through all walls of paper a minimum of 3/8 inch to a maximum 3/4 inch from the bag end. The tape shall be a minimum 3 1/8 inches wide made from creped or uncreped kraft paper having a minimum basis weight of 70 pounds and shall extend across the bag face to protrude not less than 1/2 inch beyond both edges of the bag. Sewing thread shall be ticket No. 12, 4-ply, type IAl conforming to V-T-276. Stitching shall be spaced not less than 3 nor more than 6 stitches to the inch using a lock or chain stitch. Top closure shall be effected by folding over and securely sealing by the application of gummed paper tape 2 1/2 inches minimum width conforming to type III, grade C of PPP-T-45, or by sewing as specified for bottom closure (see figure 2).

or

b. Each roll of fabric shall be enclosed in a close-fitting polyethylene film tube with a minimum thickness of 0.004 inches. The tube shall be secured by heat-sealing, or by means of a mechanical tie (paper or plastic covered soft steel wire or aluminum band), or by plastic ties with a lock end.

3.3.2 Commercial preservation. Fabric shall be preserved in accordance with ASTM D 3951.

3.4 Packing. Packing shall be level A, B, or Commercial as specified (see 6.1).

3.4.1 General. Only one style or type of container shall be used for the fabric of one description, width, weight, finish, and shade on any specific contract or purchase order. Not more than two rolls of uniform diameter, placed side by side, shall be packed within a shipping container except that when the roll weighs more than 200 pounds, there shall be no more than one roll per shipping container. Shipping containers shall provide for snug-fit of fiberboard inserts to prevent movement of the rolls during handling and transit. The length, width, and depth of the shipping container shall be governed by the length of the wrapped roll(s); the sum of the diameters of the

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wrapped roll(s); and the diameter of the wrapped roll(s). Insofar as quantity permits, shipping containers shall be uniform in size and shall contain the same number of rolls.

3.4.2 Level A packing. Rolls of fabric, preserved as specified in 3.3, shall be packed in snug-fitting wood boxes constructed, closed, and strapped in conformance with overseas type, grade A, type 3 load of PPP-B-601; class II, type 3 of PPP-B-591; style A or B, class 2, type 3 load of PPP-B-576; or solid fiberboard box conforming to type SF, class weather-resistant, grade V2s, style CSSC (may be end opening) of PPP-B-636 (only one roll of the fabric shall be packed in this container). Packed and closed solid fiberboard containers shall be reinforced with 2-inch minimum width pressure-sensitive filament tape conforming to type IV of PPP-T-97. Strips of tape shall be applied crosswise over the ends and shall extend a minimum of 5 inches along the sides of the container. Prior to packing, each roll of fabric shall be overwrapped with one of the following waterproofed barrier materials:

- a. Type I, class 1, grade A of MIL-B-121.
- b. Barrier material with outside portion of the liner made from kraft paper, having a basis weight of not less than 60 pounds per ream (24 by 36-500) creped in one direction with not less than 7 percent minimum stretch. The inside portion of the kraft paper shall be coated with polyethylene not less than 1 1/2 mils (22 1/2 pounds per ream) in thickness. The coating shall be uniformly applied to the kraft paper and shall be free from defects that may impair the function of the barrier material.

All seams and joints of the overwrap shall be sealed with minimum 2 inch width tape conforming to PPP-T-60. Alternatively, each shipping container may be provided with a type I, grade B case liner conforming to MIL-L-10547, except that the barrier material shall be type I, class 1, grade A of MIL-B-121. The net weight of contents in shipping containers other than solid fiberboard shall not exceed 250 pounds. The net weight of contents in solid fiberboard containers shall not exceed the weight limitation specified in the container specification. Rolls of fabric that exceed 50 inches in length shall be packed in a shipping container that conforms to PPP-B-601. Fiberboard shipping containers only shall be arranged in unit loads in accordance with MIL-L-35078 for the type and class of load specified (see 6.1). Strapping shall be limited to nonmetallic strapping, except for type II, class F loads.

3.4.3 Level B packing. Rolls of fabric, preserved as specified in 3.3, shall be packed in a snug-fitting double-wall fiberboard (see figure 3), wood cleated-plywood, wood-cleated solid fiberboard, triple-wall fiberboard, or solid fiberboard containers as specified in 3.4.3.1, 3.4.3.2, 3.4.3.3, 3.4.3.4, or 3.4.3.5, respectively. One roll of fabric only shall be packed in a solid fiberboard (PPP-B-636) shipping container. The net weight of contents in double-wall fiberboard (specification maximum weight limitation shall be waived), wood-cleated solid fiberboard and triple wall fiberboard containers shall not exceed 325 pounds and in wood cleated-plywood containers 425 pounds. The net weight of contents in solid fiberboard (PPP-B-636) shipping containers shall not exceed the weight limitation specified in the container specification. Shipping containers shall be strapped as specified in 3.4.3.6, as applicable. When the gross weight of a packed wood-cleated container exceeds 200 pounds, the container shall be fitted with skids to permit handling with materials handling equipment.

3.4.3.1 Double-wall fiberboard containers. Double-wall fiberboard containers shall be of the type known as double cover and shall consist of a body or joined liner, and two covers, and shall conform to the material requirements of PPP-F-320, type CF, class domestic, variety DW, minimum grade 500. Any combination of flutes may be used, except BB. The body joint shall be lapped not less than 1 1/2 inches, shall be stitched or stapled with metal fasteners not more than 2 1/2 inches between centers, and shall be double stitched at each end of the joint. The metal fasteners shall be centered on the overlap with a permissible minus tolerance of 1/8 inch from the edge. The lap joint shall be formed on the inside. The corrugations shall run parallel to the score. When necessary, the body or joined liner may be fabricated from two pieces of fiberboard with the body joints positioned at opposite diagonal corners. Each cover shall consist of a scored and slotted sheet, with the flaps positioned as shown on figure 3. Each cover flap shall be fastened with five metal fasteners positioned and spaced as shown on figure 3. Cover corrugations shall run parallel to the width of the cover. The depth of each cover shall be approximately 1/2 the depth of the container body. Metal fastenings shall be either steel staples or steel stitching wire at the option of the contractor. The covers shall fit the body in a snug, tight-fitting manner.

3.4.3.2 Wood-cleated plywood containers. Wood cleated-plywood containers shall conform to PPP-B-601, domestic type, style A, grade B.

3.4.3.3 Wood-cleated solid fiberboard containers. Wood-cleated solid fiberboard containers shall conform to PPP-B-591, class 1, style A.

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3.4.3.4 Triple-wall fiberboard containers. Triple-wall fiberboard containers shall conform to PPP-B-640, class 1, style E.

3.4.3.5 Solid fiberboard containers. Solid fiberboard containers shall conform to PPP-B-636, style CSSC (may be end opening), type SF, class domestic.

3.4.3.6 Strapping.

3.4.3.6.1 Double-wall fiberboard containers. Double-wall fiberboard containers measuring less than 24 inches in length shall be strapped with three flat metallic straps not less than 1/2 by 0.020-inch conforming to finish A or B of QQ-S-781 or three flat nonmetallic straps not less than 7/16 by 0.030-inch conforming to type II of PPP-S-760 or 7/16 by 0.023-inch conforming to type III of PPP-S-760. For containers up to 48 inches in length, two straps shall be applied girthwise approximately 4 inches from each end of the container. For containers exceeding 48 inches in length, the two straps shall be applied girthwise approximately 10 inches from each end of the container. Containers which exceed 24 inches in length shall have an additional strap applied girthwise, positioned midway between the two end straps. An additional strap shall be applied lengthwise centered over the ends, top and bottom.

3.4.3.6.2 Wood-cleated containers. Wood-cleated plywood and wood-cleated fiberboard containers shall be strapped in accordance with the appendix of PPP-B-601 or PPP-B-591, as applicable. At least three metal straps (flat or round) shall completely encircle the container girthwise. Containers shall have two straps placed over the cleats on the ends of the panels and one strap in the center over the center cleats. Flat strapping shall be 3/4 inch by 0.020 inch and round strapping shall be 0.0915-inch diameter (No. 13 gage).

3.4.3.6.3 Triple-wall fiberboard containers. Triple-wall fiberboard containers shall be closed with flat strapping in accordance with the appendix of PPP-B-640.

3.4.3.6.4 Solid fiberboard containers. Solid fiberboard containers shall be reinforced with 2 inch minimum width pressure sensitive adhesive filament tape conforming to type III or IV of PPP-T-97. Strips of tape shall be applied crosswise over the ends and shall extend a minimum of 5 inches along the sides of the container.

3.4.4 Commercial packing. Fabrics, preserved as specified in 3.3, shall be packed in accordance with ASTM D 3951.

3.5 Marking.

3.5.1 Rolls. Each roll shall have a piece ticket (tab) affixed, containing identification information desired, as specified in 3.1.2 and figure 1.

3.5.2 Unit packed rolls. Each wrapped or overwrapped roll shall be clearly marked on the wrapping, at the end where the identification tag is attached, as follows:

"TAG HERE"

3.5.3 Shipping containers.

3.5.3.1 General. In addition to the marking requirements specified below for specified shipments, the following precautionary markings shall be applied so as not to interfere with the shipment markings.

3.5.3.1.1 Shipping container inscription. Each shipping container shall have the inscription "DO NOT STAND ON END", stenciled in 1-inch black block letters, on each side or side panel.

3.5.3.2 Civil agencies. In addition to any special marking required by the contract or purchase order, shipments shall be marked (including bar code marking, see figure 1) in accordance with FED-STD-123 or ASTM D 3951, as applicable.

3.5.3.3 Military requirements. In addition to any special marking required by the contract or purchase order, shipments shall be marked (including bar code marking, see figure 1) in accordance with MIL-STD-129 or ASTM D 3951, as applicable. The covered roll identification marking shall include the fabric piece number. Labels may be used on double cover fiberboard containers. Both the gross and net yardage shall be indicated on all shipping containers. In addition, each shipping container shall be clearly marked on both side faces with the legend "USE NO HOOKS" in letters not less than 1 1/2 inches in height and also with the corresponding symbol as outlined in MIL-STD-129. If the required exterior markings for rolls cannot be applied because of restricted marking area, markings shall be shown on a tag securely affixed to one end of the roll.

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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 this document where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

4.1.1 Responsibility for compliance. All items must meet all requirements of section 3. The inspection set forth in this document shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirement in the document 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.

4.1.2 Responsibility for dimensional requirements. Unless otherwise specified in the contract or purchase order, the contractor is responsible for assuring that all specified dimensions have been met. When dimensions cannot be examined on the end item, inspection shall be made at any point or at all points in the manufacturing process necessary to assure compliance with all dimensional requirements.

4.1.3 Certificates of compliance. When certificates of compliance are submitted, the Government reserves the right to inspect such items to determine the validity of the certification.

4.2 Quality conformance inspection. Unless otherwise specified, sampling for inspection shall be performed in accordance with MIL-STD-105.

4.2.1 Component and material inspection. In accordance with 4.1, components and materials shall be inspected in accordance with all the requirements of referenced specifications, drawings, and standards unless otherwise excluded, amended, modified, or qualified in this specification or applicable purchase document.

4.2.1.1 Component and material certification. Components and materials listed below shall be accepted on the basis of a contractor's certification of compliance with the indicated requirements:

TABLE I. Component and material requirements

Characteristic	Requirement paragraph	Test method
Barrier material:		
Basis weight of kraft paper	3.4.2	Method 5022 <u>1/</u>
Stretch of creped kraft paper	3.4.2	Method 2038 <u>1/</u>
Basis weight of polyethylene	3.4.2	Method 5022 <u>1/</u>

1/ FED-STD-101.

4.2.1.2 Examination of double-wall fiberboard containers (applicable to level B container described in 3.4.3.1). When containers are in accordance with 3.4.3.1, an examination shall be performed to determine conformance to requirements concerning style and construction of the box. The lot size shall be expressed in units of shipping containers. The sample unit shall be one complete box. The inspection level shall be S-2, and the acceptable quality level (AQL), expressed in terms of defects per hundred units, shall be 2.5. Defects shall be scored in accordance with the following list:

<u>Examine</u>	<u>Defect</u>
Style of box	Not in accordance with figure 3 Not a double cover with joined liner
Type of fiberboard (check edges where fluting, etc., are visible)	Not double-walled corrugated fiberboard
Construction	Body joint lapped less than 1 1/2 inches Lapped joining not formed on the inside Corrugations in body section not parallel with the scores Fasteners not as specified, less than number specified or positioned incorrectly Depth of each cover not approximately 1/2 depth of container body Covers fit loose

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4.2.2 End item examination. The fully packaged end items shall be examined for conformance with the material specification or contract. When the material specification does not contain inspection provisions for packaging, the fully packaged end items shall be examined for the defects listed below. The lot size shall be expressed in units of shipping containers fully packaged. The sample unit shall be one shipping container. The inspection level shall be S-2 and the AQL, expressed in terms of defects per hundred units, shall be 2.5.

<u>Examine</u>	<u>Defect</u>
Marking (exterior and interior)	Omitted; incorrect; illegible; of improper size, location, sequence, or method of application Bar code marking not machine readable
Piece ticket (identification tag)	Missing
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, inadequate nailing and stapling, incomplete closure of roll, or inadequate securing or sealing of wrapping materials Bulged or distorted container or roll
Net weight	Net weight not as specified (see 3.4.2 and 3.4.3)

5. PACKAGING

This section is not applicable to this specification.

6. NOTES

6.1 Ordering data. Purchasers should select the preferred options permitted herein and include the following information in procurement documents:

- a. Title, number, and date of this specification.
- b. Selection of applicable levels of put-up, preservation, and packing (see 3.2, 3.3, and 3.4).
- c. Type and class of unit load required (see 3.4.2).
- d. Information required on the piece ticket (identification tag) (see 3.5.1).

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6.2 Subject term (key word) listing.

Packaging, coated fabrics
Packaging, laminated fabrics

MILITARY INTERESTS:

Custodians:

Army - GL
Navy - NU
Air Force - 99

Review Activities:

Army - MD, SM
Navy - AS, SA
Air Force - 82
DLA - GS, CT

CIVIL AGENCY COORDINATING ACTIVITIES:

COMMERCE - NBS
GSA - FSS
USDA - AMS

PREPARING ACTIVITY:

Army - GL

Project No. PACK-0814

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EXAMPLE IS APPROXIMATE TICKET SIZE DESIRED**(FRONT SIDE)**

○	
PROCUREMENT AGENCY	
NATIONAL STOCK NUMBER	
ITEM	WIDTH
CONTRACTOR	
FINISHING MILL #	
FIBER CONTENT	
CONTRACT/ORDER NUMBER AND DATE	
SPECIFICATION NUMBER	ROLL NUMBER
REGULAR <input type="checkbox"/> SHORT <input type="checkbox"/> LENGTH PIECES	LOT NO.
TOTAL YARDAGE	
TURN TO REVERSE SIDE	

* GREIGE MILL WHEN PURCHASE
IS FOR GREIGE CLOTH

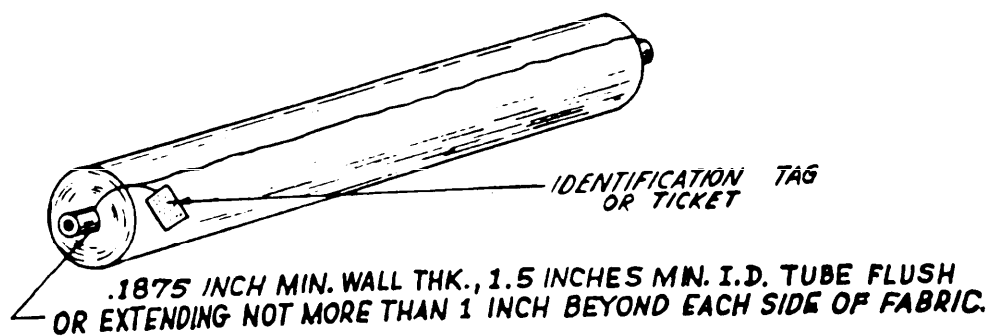
(REVERSE SIDE)

○	
PIECE NO. **	YARDS
1 _____	_____
2 _____	_____
3 _____	_____
(LIST PIECE NUMBERS IN ORDER ROLLED, FROM THE TUBE OUT)	
Place Bar Code in this Space	YARDS REMOVED NEW TOTAL LENGTH

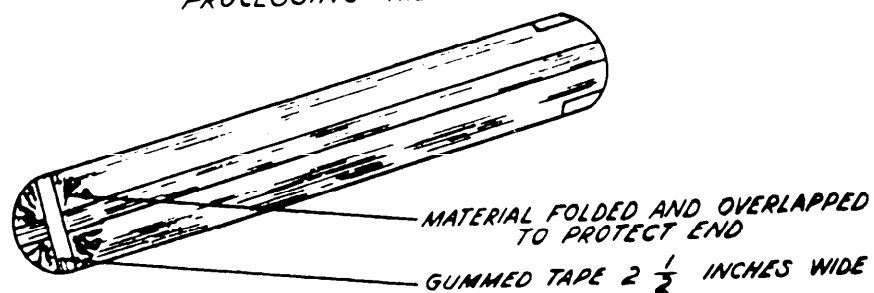
** PRINTING OPTIONAL FOR SINGLE
-PIECE ROLLS.

Figure 1. Piece ticket

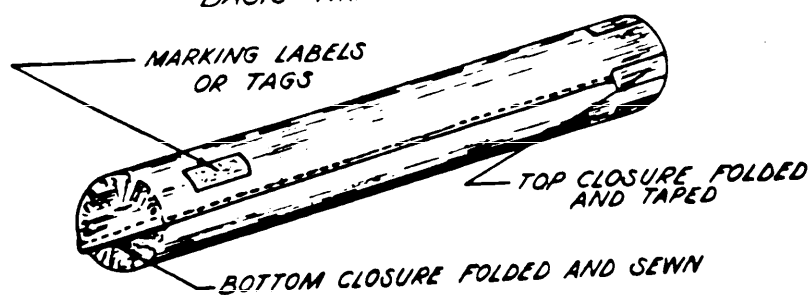
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PROCESSING METHOD



BASIC WRAPPING METHOD



BASIC WRAPPING METHOD - ALTERNATE

Figure 2. Processing and wrapping of rolls

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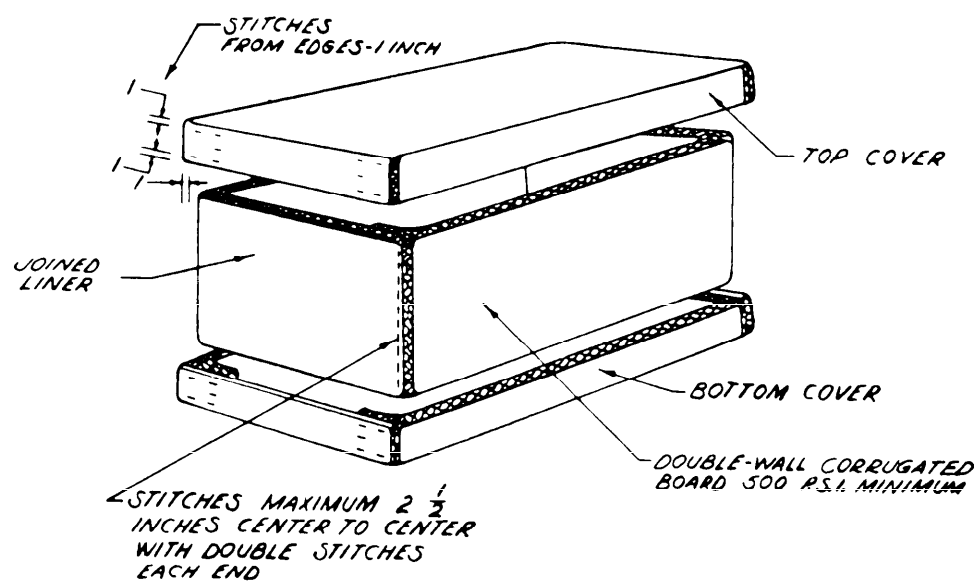


Figure 3. Covers and joined liner of double-wall corrugated fiberboard container

submitting comments and suggestions forDownloaded from <http://www.everyspec.com> 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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DEPARTMENT OF THE ARMY
US Army Natick Research and Development Center
Natick, Massachusetts 01760

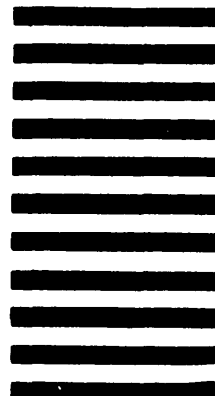


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STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL*(See Instructions - Reverse Side)*

1. DOCUMENT NUMBER PPP-P-1136D		2. DOCUMENT TITLE Packaging of Coated (Plastic; Rubber) and Laminated Fabrics	
3a. NAME OF SUBMITTING ORGANIZATION		4. TYPE OF ORGANIZATION <i>(Mark one)</i> <input type="checkbox"/> VENDOR <input type="checkbox"/> USER <input type="checkbox"/> MANUFACTURER <input type="checkbox"/> OTHER <i>(Specify):</i> _____	
b. ADDRESS <i>(Street, City, State, ZIP Code)</i>			
5. PROBLEM AREAS			
a. Paragraph Number and Wording:			
b. Recommended Wording:			
c. Reason/Rationale for Recommendation:			
6. REMARKS			
7a. NAME OF SUBMITTER <i>(Last, First, MI) - Optional</i>		b. WORK TELEPHONE NUMBER <i>(Include Area Code) - Optional</i>	
c. MAILING ADDRESS <i>(Street, City, State, ZIP Code) - Optional</i>		8. DATE OF SUBMISSION (YYMMDD)	