

METRIC

A-A-59473

23 June 1999

SUPERSEDING

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COMMERCIAL ITEM DESCRIPTION

CURTAIN, TRACK, AND SUSPENSION SYSTEM, BERTH (NAVAL SHIPBOARD)

The General Services Administration has authorized the use of this commercial item description for all federal agencies.

1. SCOPE

This commercial item description (CID) covers a fire-resistant, shrink-resistant, woven-fiber berth curtain and associated fittings for Naval shipboard use.

2. CLASSIFICATION

Type 1: Heavyweight, pleated
Type 2: Lightweight, pleated
Type 3: Lightweight, unpleated

3. SALIENT CHARACTERISTICS

3.1 Design and construction. The type 1 curtain shall be fabricated from not less than 210 g per sq m (7.5 oz per sq yd) of material. The type 2 and type 3 curtains shall be fabricated from not less than 140 g per sq m (5 oz per sq yd) of material. The curtain cloth shall be opaque woven material and shall meet the fire retardance and optical smoke density requirements of MIL-STD-1623.

3.1.2 Pleating. All pleating and spacing shall be such that there will be an equal size pleat of 50 mm, using 100 mm of fabric and the spacing between pleats shall be equal.

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any other data which may improve this document should be sent to: Commander, Naval Sea Systems Command, 2531 Jefferson Davis Highway, Arlington, VA 22242-5160.

AMSC N/A

FSC 7230

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3.1.3 Curtain track. The track shall be in accordance with ASTM B221-96 and shall be extruded anodized aluminum alloy 6000 series T-5, section size 9.5 mm by 9.5 mm with 19 mm flange, not greater than 1.5 mm wall thickness, and shall be constructed in one continuous length as shown on Figure 1. The aperture for inserting and removing slider tape shall be milled in the face of the track side facing the flange, 100 mm from either the right or the left end of the track. The aperture shall be a 17 mm long by 4 mm high elongated slot joined to the track raceway by a 4 mm slotted groove inclined at 22° to the horizontal face of the track. Each curtain track shall be provided with end stops to prevent the carriers from running off the end of the track. For the carrier tape and suspension tabs the individually covered tabs shall be spaced at 125 mm centers along a continuous running cotton tape and sewn to the back of the curtain to coincide with the pleats. The slider tape shall be sewn to the back of the curtain so that the tops of the tabs are 11 mm below the top edge of the berth curtain. Each slider tape shall then in turn be inserted through the aperture opening. The carrier tape shall be sewn to the inside of the curtain so that the top of the curtain hangs 3 mm below the top of the curtain track. Length of the curtain track shall be specified in ordering data (see 7.1).

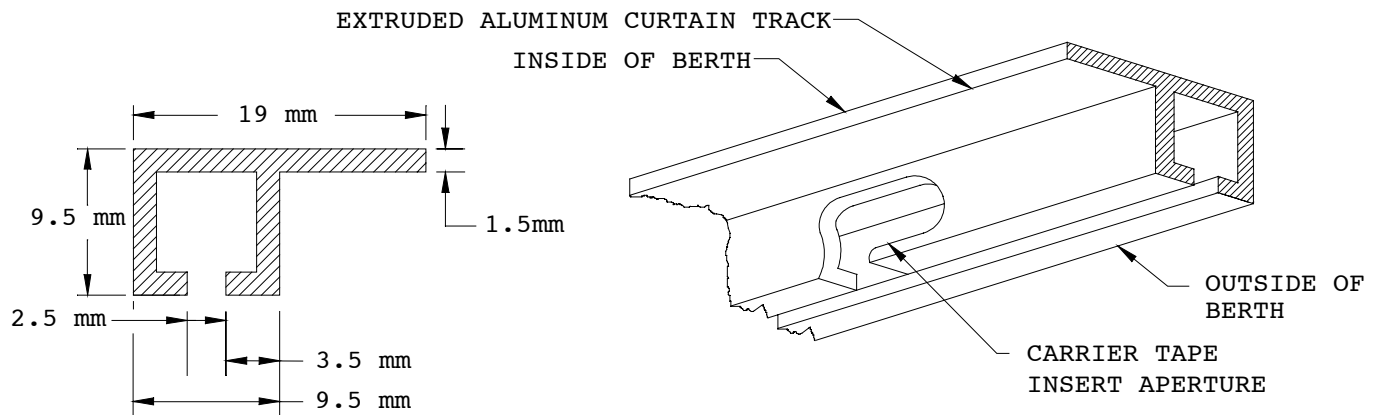


FIGURE 1. Curtain track and suspension system

3.2 General requirements.

3.2.1 Curtain size. Curtain size shall be specified in ordering data (see 7.1).

3.2.2 Stitching. Stitching shall run to the edge of the seam but not run off.

3.2.3 Edgeloading. Cut fabric edges (excluding selvage edges which are locked), shall be edgeloading by means of overedging prior to seam construction.

3.2.4 Sewing machine tension. The machine tension shall be set to provide a balanced stitch with a fabric take-up of not greater than .5 mm per 100 mm. Adequate tension shall be verified by grasping a sample seam and pulling on each side. An opening of the seam indicates insufficient tension. Knotting is also an indication of insufficient tension.

3.2.5 Colorfastness. The colorfastness of the cloth to light, wet and dry crocking, heat aging and laundering shall be in accordance with the following.

3.2.5.1 Light. The color shall be in accordance with AATCC standard gray scale class 4 or better colorfastness to light after 20.0 standard fading hours.

3.2.5.2 Crocking, wet and dry. The cloth shall be in accordance with AATCC standard color transference chart with a numerical rating of 3.0 or better using white crock cloth.

3.2.5.3 Heat aging. The cloth shall be in accordance with AATCC standard gray class 4 or better colorfastness to heat after 7 days of exposure.

3.2.5.4 Laundering. The cloth shall be in accordance with AATCC standard gray scale for evaluating change in color. The cloth shall show not less than class 3.5 or better colorfastness to laundering.

3.3 Materials.

3.3.1 Prohibited fibers. Fibrous glass, asbestos, or ceramic (refractory) fibers nor material containing any of these fibers shall be used for the curtain.

3.3.2 Yarns. Either single or plied yarns may be used for both warp and filling.

3.3.3 Thread. All stitching shall be performed with aromatic polyamide thread, size E.

3.3.3.1 Thread tie-off and thread end burying. The thread end at the seam termination shall be tied off and shall be shown on the concealed side of the seam. Where the tie-off is required to be exposed it shall be shown with the thread end buried. Each tie-off shall have 10 mm to 30 mm ends. All of the thread ends at the seam termination and all of the knot tie-offs which are exposed shall be properly buried by means of hand sewing through the fabric 6 mm in from the seam termination or the knot tie-off, using a 1 mm stitch holding the material in a compressed manner. After completion of the stitch, the thread end shall be cut and the material relaxed, thus burying the thread end.

3.4 Hems. All edges of the berth curtain shall have hems not greater than 20 mm wide.

3.5 Berth curtain label. The berth curtain label shall be fabricated of fire-resisting material. The label information shall be sewn to the inside of the finished berth curtain. Each label shall contain the manufacturer's name, model, serial number, date manufactured, and any other information needed to uniquely identify the curtain.

3.6 Shrinkage. The fabric shall neither shrink nor elongate greater than 4 percent in both the warp and filling directions after five launderings.

3.7 Carrier tape. The berth curtain carrier tape shall be a continuous running piece of tape for each curtain. The carrier tape shall be fabricated from woven nylon. The carrier tape shall be a fabric not less than 20 mm and not greater than 25 mm in width. Individual carriers shall be spaced 125 mm apart. The individual carriers shall be in accordance with ASTM B633, type 2, class Fe/Zn 13, formed of a steel "C" channel, zinc, coated with woven nylon tape wrapped and crimped around the channel. The color of the carrier tape shall either be the same color as the curtain or white.

4. REGULATORY REQUIREMENTS

The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation.

5. QUALITY ASSURANCE PROVISIONS

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5.1 Product conformance. The product provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market, or the same product that has been delivered to the Government for shipboard use on a previous procurement. The Government reserves the right to require proof of such compliance.

6. PACKAGING

Preservation, packing, and marking shall be as specified in the contract or purchase order.

7. NOTES

7.1 Ordering data.

- Title, number, and date of this CID
- Type required
- Curtain track length
- Curtain dimensions
- Curtain color

7.2 Source of documents.

7.2.1 Military documents. Copies of documents required by manufacturers in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting officer.

MIL-STD-1623 - Fire Performance Requirements and Approved Specifications for Interior Finish Materials and Furnishings (Naval Shipboard Use)

7.2.2 American Society for Testing and Materials (ASTM) Standards. ASTM Standards are available from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

ASTM B221-96 - Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes
ASTM B633 - Standard Specification for Electrodeposited Coatings of Zinc on Iron and Steel

7.3 Suggested sources of supply. Manufacturers known to meet the requirements of this CID are listed below. However, competition is not limited to these companies.

Davis Interiors, LTD
3178 Azalea Garden Road
Norfolk, VA 23513

The Claremont Company, Inc.
174 State Street
PO Box 952
Meriden, CT 06450

Unicor Drapery Factory
5701 8th St
Camp Parks
Dublin, CA 94568

Firesafe Products Corporation
38 East 29th Street
New York, NY 10016

Fabricut, Inc.
9303 East 46th Street
Tulsa, OK 74145

Southern Mills, Inc.
6501 Mall Blvd.
Union City, GA 30291

Wythe Contract Sales
720 Middle Ground Blvd.
Newport News, VA 23606

MILITARY INTERESTS:

Custodian:
Navy - SH

CIVIL AGENCY COORDINATING ACTIVITIES:

GSA - FSS

Preparing activity:
Navy - SH
(Project 7230-0055)