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INCH-POUND

A-A-52141
January 3, 1994

COMMERCIAL ITEM DESCRIPTION

# BAGS, SAND; BURLAP AND COTTON

The General Services Administration has authorized the use of this Commercial Item Description in preference to Military Specification MIL-B-12233.

Abstract. This commercial item description covers burlap and cotton sandbags. The jute or kenaf burlap, cotton osnaburg and reclaimed cotton canvas (duck) sandbags are for use in the construction of field fortifications. The cotton canvas duck sandbags are for use in stabilizing the 4.2 chemical mortar base.

## 1. Salient characteristics

1.1 Design and construction. The sandbags shall be made of one piece of cloth with two sewed sides, or one sewed side and a sewed bottom. The seams shall be on the outside and tie strings shall be on the inside. The sandbags shall be inverted inside out prior to filling by the user. The sandbags shall have inside dimensions of 26 ± 1-1/4 inches long and 14 ± 1/2 inches wide. The sandbags shall be fabricated of the materials and be of the colors indicated in 1.2.

1.2 Classification. The sandbags shall be of the following classes and colors:

| | | |
|---|---|---|
| Class A | - | Jute or kenaf burlap |
| Class B | - | Cotton osnaburg |
| Class C | - | Cotton canvas duck |
| Class D | - | Reclaimed cotton canvas (duck) |
| Color 1 | - | Brown or Green |
| Color 2 | - | Tan |

Beneficial comments recommendations, additions, deletions, clarifications, etc., and any data which may improve this document should be sent to: Commander, U.S. Army Natick Research, Development, and Engineering Center, ATTN: SATNC-IR, Natick, MA 01760-5019.

AMSC N/A

FSC 8105

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1.3 Workmanship. The sandbags shall be free of holes, tears, punctures, and other defects which may affect serviceability. The sandbags shall be both dry and flexible and shall be uniform in appearance. Individual bags shall be uniform in color. The seams shall be straight and even.

2. QUALITY ASSURANCE

2.1 Contractor certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics and requirements of this commercial item 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 first delivery and thereafter as may be otherwise provided for under the provisions of the contracts.

2.2 Metric products. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, provided they fall within the tolerances specified 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.

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

2.4 Drop resistance test. Fill the sandbag with 44 pounds $\pm$ 1/2 pound (approximately 760 cubic inches) of clean, dry sand and knot the tie string firmly about the choke. Adjust the contents of the bag to form a shape about 4 inches by 10 inches by 20 inches before each drop. Drop the bag (free fall) from a height of 48 inches on one face, on one side seam or the folded area where a seam would normally be located on a tubular bag, and on the butt onto a hard, unyielding surface such as stone or concrete of sufficient mass to absorb the shock without deflection. Every fourth sandbag tested shall be dropped (free fall) on the tied (choke) end in lieu of the butt drop. After each drop, the sandbag shall be examined for visible evidence of damage such as tears, punctures, broken yarns or thread, or exposure of the contents by any means other than sifting. Slight slippage or yawning in the seams shall not be considered damage. Visible evidence of damage shall constitute failure of this test.

3. PACKAGING

3.1 Overseas.

3.1.1 Packaging. One hundred sandbags shall be bundled.

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3.1.2 Packing. Five hundred sandbags (five bundles) shall be baled. The bale shall be wrapped and tied.

3.1.3 Palletization. Bales shall be palletized on a 4-way entry pallet in accordance with load type XV of MIL-STD-147. Each prepared load shall be bonded with primary bonding means C and D or film bonding means F or G.

3.1.4 Marking. Marking shall be in accordance with MIL-STD-129.

3.2 Domestic.

3.2.1 Preservation, packaging, packing, labeling, and marking. Preservation, packaging, packing, labeling, and marking shall be in accordance with ASTM D 3951.

4. NOTES

4.1 Acquisition requirements. Acquisition documents must specify the following:

(a) Title, number, and date of this document.
(b) Class and color of sandbag required (see 1.2).

4.2 Sources of documents.

4.2.1 Sources for non-Government association documents.

ASTM D 3951 - Standard Practice for Commercial Packaging

ASTM documents are available from:

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

4.2.2 Source for Government documents. Copies of military and federal documents are available from:

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

4.3 CID-based part identification number. The following part identification numbering procedure is for Government purposes and does not constitute a requirement for the contractor:

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A - 52141 - A - 1

- 1 — Color 1 - Brown or Green; Color 2 - Tan
- A — Class A = Jute or kenaf burlap; Class B = Cotton osnaburg; Class C = Cotton canvas duck; Class D = Reclaimed cotton canvas (duck)
- 52141 — CID Number
- A — Designates a Commercial Item Description

MILITARY INTERESTS:

Custodians

Army - GL
Air Force - 99

Review Activities

Army - MD
Air Force - 84
DLA - GS

User Activity

Navy - MC

PREPARING ACTIVITY:

Army - GL

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