

**INCH-POUND****A-A-52218B****May 4, 2009****SUPERSEDING****A-A-52218A****April 25, 2002****COMMERCIAL ITEM DESCRIPTION****CHEST, ICE STORAGE**

**The General Services Administration has authorized the use of this Commercial Item Description (CID) for all Federal agencies.**

**1. SCOPE.**

**1.1 Scope.** This CID covers an insulated high impact plastic ice storage chest.

**1.2 Intended use.** This chest is intended to be used in the field for storage of ice or ice with limited Unitized Group Rations - A (UGR - A) at ambient temperatures up to +120°F.

**2. CLASSIFICATION.**

**2.1** The chest shall be of the following types and classes as specified (See 7.1).

**Type I** - With wheels

**Type II** - Without wheels

**Class 1** - Brown (Desert sand) (See 7.3).

**Class 2** - Green (Olive drab) (See 7.3).

**Class 3** - Commercial color selection (See 3.6).

**3. SALIENT CHARACTERISTICS.**

**3.1 Design and construction.** The ice storage chest shall consist of a sealed insulated high impact plastic container and cover. The chest shall be double wall design with high density, plastic construction and injected polyurethane foam insulation to comply with thermal

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performance test requirements. The container shall have an ice cube capacity of 175 pounds minimum. Integral molded grip handles shall be incorporated for lifting and moving the chest. The cover shall have a fixed and a sliding section. The fixed portion of the cover shall be attached to the container with four plastic handled thumbscrews. The sliding portion shall operate smoothly without binding. A manually operated recessed drain valve shall be provided on the under side of the chest with easy hand access. All hardware shall be constructed of noncorrosive materials for use in a field environment. The chests shall have the following maximum outside dimensions, and weights:

	Width (inches)	Length (inches)	Height (inches)	Weight (lbs.)
<u>Type I- With wheels</u>	23	34	38	89
<u>Type II-Without wheels</u>	23	34	34	66

**3.2 Cover.** The cover shall be manufactured from the same plastic material and insulation as the container. The sliding portion of the cover shall open fully for access to the interior. The cover shall be so designed that if any fluid is spilled on the closed cover it will not enter the interior of the container.

**3.3 Thumbscrews.** Four thumbscrews shall be used to secure the fixed portion of the cover to the container. These screws shall be recessed into the body of the container. The screws shall screw into corrosion resistant threaded backing plates molded into the container.

**3.4 Wheels.** When wheels are required, two of the wheels shall be fixed and two shall be free to pivot. The fixed wheels shall have a minimum of 10 inches outside diameter and the pivoting wheels shall have a minimum of 5 inches outside diameter. A foot operated device shall be provided to lock one of the smaller wheels from rotating.

**3.5 Without Wheels.** The ice storage chest shall have a high impact plastic pad located at each bottom corner; the pad shall be attached to the chest with countersunk screws. The screws shall be screwed into corrosion resistant threaded backing plates molded into the chest. These pads shall extend below the bottom of the chest.

**3.6 Color (“government unique” requirement) (See 7.6).** The color of the chest (both exterior and interior surfaces) shall be either Brown (Class 1 - Desert sand); Green (Class 2 - Olive drab); or Commercial color (Class 3) as specified (See 7.1 and 7.3). Chests of a specific lot shall not exhibit any variation in shade from the specific color selected and specified in the contract for the production lot. Class 3 chests shall not reflect a “government unique” requirement for color. For class 3 chests, the color shall be selected from the

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manufacturer's standard commercial colors and the selected color shall be cited in the contract or purchase order.

**3.7 Molded identification marking ("government unique" requirement (See 7.6).** When specified (See 7.1), the chests shall be furnished with identification information molded or embossed into the surface of the container body. The information required shall be as follows:

National Stock Number \_\_\_\_\_  
 Manufacturer's Name \_\_\_\_\_  
 Manufacturer's Address \_\_\_\_\_  
 Manufacturer's Model Number \_\_\_\_\_  
 Date of Manufacture \_\_\_\_\_

**3.8 Workmanship.** The chest shall be free of holes, cracks, dents, malformation, or deep scratches. All burrs, splinters, sharp edges, dirt, grease, and foreign matter shall be removed. There shall be no defects affecting serviceability, durability, or appearance.

**3.9 Drop test.** An empty chest (with cover in the closed position) shall be dropped vertically from a height of four feet, two consecutive times, on a flat wooden surface, at ambient temperature. After testing, and upon examination, the chest shall be free from cracks, denting or opening of the fixed portion of the cover. For the type I chest, there shall be no operational damage to the wheels.

**3.10 Thermal performance test.** The chest shall be filled with ice (175 pounds minimum). With the cover in the closed position, the chest shall lose no more than 20 pounds of ice in a 24 hour period when tested at  $80 \pm 2^{\circ}\text{F}$ . Prior to beginning the test, the chest shall be drained of the initial melted ice water, then tested as specified above by draining the melted ice water at the end of a 24 hour period, and weighing the quantity of melted ice.

**3.11 Metric products.** Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, provided they meet specified tolerances using conversion tables contained in the latest revision of FED-STD-376, "Preferred Metric Units for General Use by the Federal Government", and all other requirements of this CID 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.

#### **4. REGULATORY REQUIREMENTS.**

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**4.1 Contractor-recovered materials.** 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 (FAR).

**5. PRODUCT CONFORMANCE PROVISIONS.**

**5.1 Product conformance.** The products provided shall meet the salient characteristics of this commercial item description except for any Government unique requirement specified, shall conform to the producer's own drawings, specifications, standards and quality assurance practices, and be the same product offered for sale in the commercial marketplace, or is the same product that has successfully been delivered to the Government on a previous contract or purchase order. 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 contract.

**5.2 Market acceptability criteria.** The following market acceptability criteria are necessary to document the quality of the product to be provided under this CID.

a. The company producing the item meeting the requirements of this CID must have been producing these items for at least 2 years.

b. The company must have sold at least 250 items meeting the requirements of this CID, except for the Government unique requirements, in the commercial or government marketplace over the last 2 years.

**5.3 Warranty.** Unless otherwise specified in the contract or purchase order, the manufacturer's standard commercial warranty shall apply.

**5.4 NSF International standard compliance.** Prior to approval of the first shipment the contractor shall submit satisfactory evidence to the contracting officer or his authorized representative that the ice storage chests conform to the applicable requirements of NSF International Criteria C-2. Acceptable evidence of meeting the requirements of NSF International Criteria C-2 shall be a listing in the current edition of the NSF International, "Listing of Food Service Equipment" and display of the NSF International mark on the finished product, or a certified test report from a recognized independent laboratory acceptable to the Medical Authority for the buying agency. Test laboratories acceptable to the Army Medical Department include: NSF International, Underwriters Laboratories, Sanitation and Incheape Testing Services, and ETL Testing Laboratories.

**6. PACKAGING.**

**6.1 Packaging.** Preservation, packing, palletization and marking requirements shall be as specified in the contract or purchase order (See 7.1).

**A-A-52218B****7. NOTES.****7.1 Ordering data.** Acquisition documents must specify the following:

- a. Title, number and date of this CID.
- b. Type, and class required (See 2.1).
- c. Color, when a commercial color is required (See 3.6).
- d. Type of identification marking required (See 3.7).
- e. Packaging requirements (See 6.1).

**7.2 Commercial item certification.** When this CID is used for procurement, the commercial item certification clause must appear in the solicitation.**7.3 Ice chest.** Past experience has shown that ice chests conforming to any of the following Color Nos. of FED-STD-595 were found to be acceptable:

<u>Class 1 - Desert Sand</u>	<u>Class 2 - Olive Drab</u>
Color No. 30313	Color No. 24097
30279	34094
	34095
	34096
	34097

**7.4 Sources of documents.****7.4.1 Source of information for governmental document is as follows:**

Copies of Federal documents are available from: Standardization Documents Order Desk, Document Automation and Production Service, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094 or on the Internet at: <http://assist.daps.dla.mil/quicksearch/>.

**7.4.2 Source of information for non-governmental document is as follows:**

Copies of NSF Criteria C-2 standard are available from: NSF International, P.O. Box 130140, 789 North Dixboro Road, Ann Arbor, MI 48113-0140, telephone (734) 769-8010. Internet address: <http://www.nsf.org>.

**7.5 Source of supply.** The manufacturer whose products are known to meet the requirements of this CID is listed below; however, competition is not limited to this company.

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Cambro Manufacturing Company  
5801 Skylab Road  
Huntington Beach, CA 92647  
(800) 854-7631

**7.6 “Government unique” requirements.** Whenever “government unique” is included in a paragraph under “Salient Characteristics”, it is meant that the requirement is something that is not normally offered to the commercial marketplace by the manufacturer.

**MILITARY INTERESTS:**

**CIVIL AGENCY COORDINATING ACTIVITY:**

**Custodians**

GSA - FAS

Army - GL  
Navy - SA  
Air Force - 99

**PREPARING ACTIVITY:**

**Review Activities**

DLA - SS

Army - MD1  
Navy - MC  
Air Force - 71

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**NOTE:** The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>.