

FCNE 90-512b
March 16, 2007
SUPERSEDING
FCNE 90-512a
November 7, 2001

PURCHASE DESCRIPTION

MARKER BOARD, PORCELAIN SURFACE

This purchase description (PD) covers porcelain enameled steel, wall mounted, marker boards.

Salient characteristics:

1 Classification.

1.1 Types, sizes, and colors. The marker boards shall be of the following types, sizes, and colors, as specified.

The reference number is intended for cataloging and ordering purposes and not for printing on the marker board.

PD No.	Type	Size
FCNE-90-512b	I	I

	PIN Code No.
Type I - Porcelain enameled steel writing surface with wood frame	I
Type II - Porcelain enameled steel writing surface aluminum frame	II
Size 1 - 450 mm x 600 mm	1
Size 2 - 600 mm x 900 mm	2
Size 3 - 900 mm x 1200 mm	3
Size 4 - 900 mm x 1525 mm	4
Size 5 - 1200 mm x 1800 mm	5
Size 6 - 1200 mm x 2450 mm	6
Size 7 - 1200 mm x 3050 mm	7

Dimensions are overall. Tolerance are +50 mm, -30 mm. Color shall be white unless otherwise specified.

2 Design. The marker board shall permit ease of writing, even acceptance of liquid chalk, ease of erasure, and shall be resistant to wear and chipping.

3 Surface.

3.1 Porcelain enamel. The porcelain enamel coating shall be in accordance with the Porcelain Enamel Institute standard PEI 1001, except that the packing and guarantee requirements specified therein shall not apply.

3.2 Wooden, wall mounted frame (Type I). The wooden frame shall be oak, beech, birch, hackberry, hard maple, pecan, ramin, white ash, or black ash. The frame shall be 35 mm wide by 15 mm thick, minimum. The frame shall totally and securely enclose the marker board to prevent any movement. The porcelain enamel steel shall be backed with material sufficiently rigid to prevent flexing.

3.3 Aluminum, wall mounted frames (Type II). The aluminum frame shall be extruded and anodized. The frame shall totally and securely enclose the marker board to prevent any movement. The porcelain enameled steel shall be backed with material sufficiently rigid to prevent flexing.

3.4 Trough. A trough shall be provided for attachment to the bottom of the marker board. It shall be of sufficient size to hold a standard size eraser. It shall be permanently attached or shall be easily attached with simple tools or magnetic. The trough shall be the full width of the marker board with a tolerance of +0, -50 mm. The trough shall be required only for size 3 and larger.

3.5 Finish. Exposed wood surfaces shall be sanded smooth and coated with a clear lacquer or varnish resulting in a uniform glossy finish. Exposed aluminum shall have a clear uncolored satin finish.

3.5 Identification label. The identification label shall have the contractor's name or trademark, contract or order number, National Stock Number (if specified), and month and year of manufacture legibly marked in permanent dark ink. The identification shall be applied to each item in an inconspicuous location. If ink is used, it shall not rub off after drying for four hours. If a label is used, it shall not be removable by hand after having being affixed for four hours.

4 Quality Assurance Provisions.

4.1 Responsibility for inspection. The contractor shall be responsible for the performance of all inspection and testing in fulfillment of all requirements specified herein. Unless otherwise specified in the contract or purchase order, the

contractor may use his own or any other facilities approved by the Government as suitable for the performance of inspections and tests required by this PD. The Government reserves the right to perform any or all of the inspections and tests set forth in this PD, as deemed necessary to provide assurance of quality conformance to prescribed requirements.

4.2 First article requirements. The first article inspection shall be in accordance with the solicitation.

4.3 Quality conformance inspection. A sample of the finished product shall be selected in accordance with paragraph 4.6 of this PD for quality conformance verification. The sample shall be examined to verify that the requirements referenced in sections 1, 2, and 3 have been met. Any nonconformance with the above requirements shall be considered a defect. All defects found shall be classified as major/minor in accordance with paragraphs 4.4 and 4.5 of this PD.

4.4 Major defects. The following conditions of nonconformance with the stated requirements of the PD shall be considered as major defects which may potentially affect the safety, functionally, durability, usability, and life of the purchased items.

- Wall frame not as specified.
- Dimensions not as specified.
- Parts fractured, buckled, bent, punctured, or malformed.
- Rivets loose or not set properly.
- Sharp edges.
- Preservation, packaging, and packing not in accordance with the requirements of the contract or purchase order.
- Identification marking missing, wrong, or illegible.

4.5 Minor defects. Nonconformance conditions listed below shall be considered as minor defects affecting the appearance of the finished items.

- Wood surfaces not sanded smooth.
- Lacquered or varnished surfaces contain sags or runs.
- Burrs on aluminum frame.
- Oversized holes.
- Aluminum surfaces not a smooth clear anodized uncolored satin finish.
- Foreign matter embedded in finish.
- Parts, components, overall covered, not free of grease, dirt dust, epoxy, staining, film, etc.

4.6 Sampling for inspection. The sampling plan shall be in accordance with ANSI/ASQ Z1.4 with an inspection level II, Acceptable Quality Level (AQL) of 6.5 percent defective for minor defects and an inspection level of S-2, AQL of 2.5 percent

defective for major defects.

5 Workmanship. The workmanship shall be of the quality to produce finished items acceptable in appearance, function, and serviceability and to prevent potential hazard to personnel or their clothing. There shall be no defects that affect serviceability or appearance.

6 Regulatory requirements. The contractor is encouraged to use recovered materials in accordance with Public Law 94-580, as amended, to the maximum extent practicable.

7 Preservation, packaging, packing, labeling, and marking. The preservation, packaging, packing, labeling, and marking shall be as specified in the contract or order.

8 The issues of PEI 1001 in effect on the date of solicitation shall be used to determine compliance with the stated requirements.

9 Notes.

9.1 Purchasers should specify type, size, and color (if other than white).

9.2 PEI 1001 is available from the Porcelain Enamel Institute, P.O. Box 920220, Norcross, GA 30010, telephone: 770/281-8980 or from their web site at www.porcelainenamel.com.

9.3 ANSI/ASQ Z1.4, Sampling Procedures and Tables for Inspection By Attributes, is available from the American National Standards Institute, 1430 Broadway, New York, NY 10018 or from the American Society for Quality at www.asq.org.

Preparing activity
GSA/FSS/3FNE