

MIL-E-15090C  
30 March 1982  
SUPERSEDING  
MIL-E-15090B  
24 June 1952  
(See 6.6)

## MILITARY SPECIFICATION

### ENAMEL, EQUIPMENT, LIGHT-GRAY (FORMULA NO. 111)

This specification is approved for use by all Departments and Agencies of the Department of Defense.

#### 1. SCOPE

1.1 Scope. This specification covers light gray enamel suitable for use as a finish coat on equipment, furniture, machinery, and switchboard installations (see 6.1). This product may be used where air pollution regulations apply (see 6.5).

1.2 Classification. Light gray enamel covered by this specification shall be furnished in the following types and classes, as specified (see 6.1.1 and 6.2.1):

Type I - Medium air-drying  
Type II - Fast air-drying  
Type III - Baking  
Class 1 - Gloss  
Class 2 - Semigloss

#### 2. APPLICABLE DOCUMENTS

##### 2.1 Government documents.

2.1.1 Specifications and standards. Unless otherwise specified, the following specifications and standards of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation form a part of this specification to the extent specified herein.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, Naval Sea Systems Command, SEA 3112, Department of the Navy, Washington, DC 20362 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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## SPECIFICATIONS

## FEDERAL

- RR-Y-366 - Sieve, Test.
- TT-B-838 - Butyl Acetate; Normal (For Use in Organic Coatings).
- TT-B-848 - Butyl Alcohol: Secondary (For Use in Organic Coatings).
- TT-P-350 - Pigment, Lampblack - Dry.
- TT-R-266 - Resin, Alkyd; Solutions.
- TT-T-291 - Thinner, Paint, Mineral Spirits, Regular and Odorless.
- PPP-P-1892 - Paint, Varnish, Lacquer, and Related Materials; Packaging, Packing, and Marking of.

## MILITARY

- MIL-P-15173 - Pigment, Magnesium Silicate; Dry (Paint Pigment).
- MIL-C-15198 - Calcium Carbonate, Precipitated (Pigment).
- MIL-A-15206 - Aluminum Stearate, Technical.

## STANDARDS

## FEDERAL

- FED-STD-141 - Paint, Varnish, Lacquer, and Related Materials; Methods of Inspection, Sampling and Testing.
- FED-STD-313 - Material Safety Data Sheets, Preparation and the Submission of.
- FED-STD-595 - Colors.

## MILITARY

- MIL-STD-129 - Marking For Shipment And Storage.

(Copies of specifications and standards required by manufacturers in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting officer.)

2.2 Other publications. The following documents form a part of this specification to the extent specified herein. The issues of the documents which are indicated as DoD adopted shall be the issue listed in the current DoDISS and the supplement thereto, if applicable.

## AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

- D 79 - Zinc Oxide, Spec. for.
- D 475 - Titanium Dioxide Pigments, Spec. for.
- D 323 - Specular Glass, Test Method for. (DoD adopted)
- D 562 - Consistency of Paints Using the Stormer Viscometer, Test for. (DoD adopted)
- D 563 - Phthalic Anhydride Content of Alkyd Resins and Resin Solutions Test Method for. (DoD adopted)
- D 600 - Liquid Paint Driers, Spec. for.
- D 768 - Yellow Iron Oxide Hydrated, Spec. for. (DoD adopted)
- D 823 - Producing Films of Uniform Thickness of Paint, Varnish, Lacquer, and Related Products on Test Panels. Methods of. (DoD adopted)

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- D 1199 - Calcium Carbonate Pigment; Specification for.
- D 1210 - Fineness of Dispersion of Pigment-Vehicle Systems, Test Method for. (DoD adopted)
- D 1296 - Odor of Volatile Solvents and Diluents, Test Method for. (DoD adopted)
- D 1394 - Chemical Analysis of White Titanium Pigments, Methods for. (DoD adopted)
- D 1475 - Density of Paint, Varnish, Lacquer, and Related Products, Test Method for. (DoD adopted)
- D 1729 - Visual Evaluation of Color Differences of Opague Materials. (DoD adopted)
- D 2197 - Adhesion of Organic Coatings, Test for. (DoD adopted)
- D 2369 - Volatile Content of Solvent-Reducible Paints, Test Method for. (DoD adopted)
- D 3280 - Analysis of White Zinc Pigments, Methods for.

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

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
Rules and Regulations - Rule 102

(Application for copies should be addressed to the South Coast Air Quality Management District, 9150 E. Flair Drive, El Monte, CA 91731.)

(Industry association specifications and standards are generally available for reference from libraries. They are also distributed among technical groups and using Federal agencies.)

2.3 Order of precedence. In the event of a conflict between the text of this specification and the references cited herein, the text of this specification shall take precedence.

3. REQUIREMENTS

3.1 Formula. The enamel shall consist of ingredients conforming to the applicable specifications in the proportions shown in table I, except that the amounts of lampblack and yellow iron oxide may be varied as necessary to conform to the color requirement, and the amount of magnesium silicate and gloss control additives may be varied, if necessary, to conform to the gloss requirement. The formula is given slightly in excess of 100 gallons to allow for normal manufacturing loss

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TABLE I. Formula number 1111

Ingredients	Type I		Type II		Type III	
	Parts, by weight 1/	Parts, by weight 1/	Parts, by weight 1/	Parts, by weight 1/	Parts, by weight 1/	Parts, by weight 1/
	class 1	class 2	class 1	class 2	class 1	class 2
Titanium dioxide, ASTM D 476, type IV	200	126	179	146	200	156
Calcium carbonate, ASTM D 1199	---	255	---	216	---	229
Zinc oxide, ASTM D 79	---	100	---	---	---	---
Magnesium silicate, MIL-P-15173, type B	---	25	---	38	---	24
Aluminum stearate, MIL-A-15206	---	4.0	---	3.7	---	4.0
Yellow iron oxide, ASTM D 768	20	10	15	11	16	13
Lampblack, TT-P-350	3.4	2.0	2.7	2.1	3.0	2.1
Alkyd resin solution	5552/	4002/	6493/	5403/	5954/	4514/
Hexamine-formaldehyde resin solution 5/	---	---	---	---	93	70
Paint thinner, TT-T-291, type I	155	210	---	---	---	---
Butyl acetate, normal, TT-B-838	---	---	82	108	---	---
Butyl alcohol, secondary, TT-B-848	---	---	---	---	14	98
Lead naphthenate drier, ASTM D 600, class B	6.3	4.5	8.2	6.9	---	---
Cobalt naphthenate drier, ASTM D 600, class B	6.3	4.5	3.1	2.8	---	---

TABLE I. Formula number III. - Continued

Ingredients	Type I		Type II		Type III	
	Parts, by weight <u>1/</u>	Parts, by weight <u>1/</u>	Parts, by weight <u>1/</u>	Parts, by weight <u>1/</u>	Parts, by weight <u>1/</u>	Parts, by weight <u>1/</u>
	class 1	class 2	class 1	class 2	class 1	class 2
Calcium naphthenate drier, ASTM D 600, class <u>8/</u>	---	---	3.7	3.2	---	---
Triethylamine	---	---	---	---	4.0	3.0
Antiflooding agent <u>7/</u>	---	---	---	---	---	0.14
Gloss control agent <u>8/</u>	---	---	<u>8/</u>	<u>8/</u>	<u>8/</u>	<u>8/</u>

1/ Use of pounds as weight units results in a volume slightly in excess of 100 gallons.

2/ If desired, the alkyd resin solution may conform to TT-R-266, type I, class A (see 6.4).

3/ The alkyd resin solution shall be a 39 percent phthalic anhydride, phenol and rosin modified short oil alkyd resin, similar or equal to resin solution Aroplaz X-663-6X3-50, manufactured by Spencer Kellogg Division of Textron, Inc. (Fifty percent solution in the following solvent: 10 percent ethyl benzene, 56 percent naphtha VM&P, and 34 percent isobutanol by weight.)

4/ The alkyd resin solution shall consist of a short oil, alkyd resin, with less than 40 percent fatty acid modification, derived from low-rosin tall oil similar or equal to Aroplaz 1443-6X2-50, manufactured by Spencer Kellogg Division of Textron, Inc. (Fifty percent solution in the following solvent: 10 percent ethyl benzene, 56 percent naphtha VM&P, and 34 percent isobutanol by weight.)

5/ The melamine-formaldehyde resin solution shall be a butylated melamine formaldehyde resin solution, similar or equal to 27-806 Uformite, manufactured by Reichhold Chemicals, Inc. (Eighty percent solution in the following solvent: 50 percent isopropanol, 50 percent isobutanol by weight.)

6/ The calcium naphthenate drier shall contain 5 percent calcium metal by weight.

7/ An antiflooding agent, such as General Electric SF69, or equal.

8/ As required for gloss.

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3.2 Manufacture. Component raw materials shall be mixed and ground as required to produce a product which is uniform, stable, free from grit, and suitable for the purpose intended. The product shall be readily broken up with a paddle to a smooth uniform consistency, and shall not liver, thicken, curdle, gel, nor show any objectionable application properties.

3.3 Quantitative requirements. The enamel shall conform to the quantitative requirements of table II.

TABLE II. Quantitative requirements.

Characteristic	Type I				Type II				Type III			
	Class 1		Class 2		Class 1		Class 2		Class 1		Class 2	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
Pigment percent by weight of enamel	23.5	26.5	43.0	48.0	19.9	21.9	37.2	40.7	21.7	24.2	38.0	43.5
Volatile, percent by weight of enamel	32.0	36.0	27.0	31.0	40.6	45.6	33.1	37.1	36.8	40.8	33.0	36.0
Nonvolatile vehicle, percent by weight of enamel	39.0	43.0	23.5	27.0	34.5	38.0	24.8	28.3	36.5	40.5	24.5	28.0
Phthalic anhydride, percent by weight of nonvolatile vehicle	23.0	---	23.0	---	38.0	---	38.0	---	28.0	---	28.0	---
Water, percent by weight of enamel	---	0.5	---	0.5	---	0.5	---	0.5	---	0.5	---	0.5
Coarse particles and skins (as residue retained on No. 325 sieve (RR-S-366)), percent by weight of enamel	---	0.5	---	0.15	---	0.5	---	0.15	---	0.5	---	0.15
Viscosity, Krebs units	67	77	67	77	70	80	70	80	85	100	75	85
Weight/gal, pounds	9.1	9.7	10.8	11.4	8.9	9.5	10.3	11.0	9.2	9.8	10.3	10.9
Dust free time, minutes	---	---	---	---	---	10	---	10	---	---	---	---
Tack free time, minutes	---	---	---	---	---	60	---	30	---	---	---	---
Print free time, hours	---	---	---	---	---	24	---	18	---	---	---	---

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TABLE II. Quantitative requirements. - Continued

Characteristic	Type I				Type II				Type III			
	Class 1		Class 2		Class 1		Class 2		Class 1		Class 2	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
Set to touch time, hours	---	---	3	---	1	---	---	---	---	---	---	---
Dry hard time, hours	---	8	---	8	---	---	---	---	0.5	---	---	0.5
Flash point, °F	86	---	100	---	---	---	---	---	---	---	---	---
Gloss	65	---	25	35	65	---	20	35	65	---	20	35
Fineness of grind	6	---	5	---	6	---	5	---	6	---	5	---
Zinc oxide, percent by weight of pigment	---	---	17.0	---	---	---	---	---	---	---	---	---
Titanium dioxide, percent by weight of pigment	82.0	---	20.0	---	82.0	---	31.5	---	83.0	---	32.5	---
Calcium carbonate, percent by weight of pigment	---	---	45.0	---	---	---	47.0	---	---	---	49.0	---
Melamine; presence of	---	---	---	---	---	---	---	---	Positive test	---	Positive test	Positive test



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3.3.1 Solvent. Solvent shall conform to the requirements specified herein.

- (a) Aromatic compounds with eight or more carbon atoms to the molecule, except that ethyl benzene (total aromatics less ethyl benzene) shall not exceed 8 percent by volume.
- (b) The ethyl benzene content of the solvent shall not exceed 20 percent by volume.
- (c) Compounds with olefinic or cycloolefinic unsaturation shall not exceed 5 percent by volume.
- (d) Ketones having branched hydrocarbon structure shall not exceed 5 percent by volume.
- (e) The sum of compounds in (a), (b), (c), and (d) shall not exceed 20 percent by volume.

A certificate of compliance to this effect shall be prepared by the contractor in accordance with the data ordering document included in the contract (see 6.2.2).

3.4 Qualitative requirements. The enamel shall meet the following qualitative requirements.

3.4.1 Odor. The odor shall be normal for the volatiles permitted, when tested in accordance with table III.

3.4.2 Color. The color of the gloss and semigloss enamels shall be characteristic of the pigments used and shall be approximately the same as color numbers 16307 and 26307 of FED-STD-595, respectively (see 4.3.2.5).

3.4.3 Compatibility with thinner. There shall be no incompatibility of any of the ingredients of the enamel as received when tested as specified (see 4.3.2.6).

3.5 Type I, medium air-drying.

3.5.1 Phenolic resins, rosin, and rosin derivatives. Phenolic resins, rosin, and rosin derivatives shall not be present.

3.6 Type II, fast air-drying.

3.6.1 Spraying properties and appearance. The enamel shall be thinned with the solvent specified in 3.3.1 to the proper consistency for the particular spraying equipment used. The thinned enamel shall spray so that it shall not run, sag or streak. The dried film shall be uniform in appearance and shall be free of such defects as flooding of color, pin holes, wrinkling or orange peel.

3.6.2 Recoating. Recoating after 24-hour air dry shall produce no film irregularities. Recoating shall be by spraying, as specified (see 3.6.1).

3.6.3 Brittleness and adhesion. A film of the enamel shall adhere to and shall not flake or crack from the metal when tested, as specified (see 4.3.2.7).

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**3.7 Type III, baking.**

**3.7.1 Spraying properties and appearance.** The spraying properties and appearance of the baking enamel shall conform to type II (see 3.6.1).

**3.7.2 Recoating.** Recoating after baking 30 minutes at 250°F, and allowing the panel to remain 1 hour at room temperature shall produce no film irregularities. Recoating shall be by spraying, as specified (see 3.6.1).

**3.7.3 Brittleness and adhesion.** Brittleness and adhesion shall conform to type II as specified in 3.6.3 (see 4.3.2.7).

**3.8 Material safety data sheet.** The contracting activity shall be provided a Material Safety Data Sheet (MSDS) at the time of contract award. The MSDS is form OSHA-20 found in and part of FED-STD-313. The MSDS shall be included with each shipment of the material covered by this specification.

**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 the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

**4.2 Quality conformance inspection.****4.2.1 Sampling.**

**4.2.1.1 Finish paint.** When acquired by Government activities in quantities of paint of 250 gallons or over, an unopened container from each lot shall be taken by the Government representative for acceptance test purpose.

**4.2.2 Lot acceptance.** Lots shall be accepted by the Government inspector only upon receipt of a satisfactory test report from the laboratory specified by the contracting activity on samples of paint and when necessary, on samples of ingredients (see 6.2.1 and 6.2.2).

**4.3 Test procedures.** The ingredient materials submitted shall be tested to determine compliance with the applicable specifications listed in table I. In addition, types I, II and III resins shall be tested to determine compliance with the notes of table I. The melamine formaldehyde resin solution specified in note 5 of table I shall be tested for the presence of melamine by the method specified in 4.3.1.

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4.3.1 Presence of melamine, type II only. Place approximately 3 grams (g) of the resin solution in a 250 milliliter (mL) round flask, and add 50 mL of 45 percent phosphoric acid. Place cork which has been fitted with a separatory funnel, and an air condenser in the flask. Boil gently for 8 hours, maintaining the same level in the flask throughout the distillation by adding distilled water through the separatory funnel. Allow solution to cool. Needle-like crystals of cyanuric acid will appear on standing. Filter off the crystals. Upon heating, they decompose without melting and give off cyanic acid, identified by its odor. Also, the crystals dissolve in 4N NaOH forming the monosodium salt. Upon boiling, a white crystalline precipitate of the insoluble trisodium salt is formed. The formation of crystals will indicate a positive test for melamine and meet the requirements of table II.

4.3.2 Finished enamel.

4.3.2.1 The following tests, when applicable, shall be conducted in accordance with table III.

TABLE III. Quality conformance tests.

Characteristic	FED-STD-141 method	ASTM
Pigment (using extracting mixture "A" for type I, and extracting mixture "C" for types II and III).	4021	
Volatiles		D 2369
Nonvolatile vehicle (calculated by difference)	4053	
Water	4081	
Coarse particles and skins	4092	
Viscosity		D 562
Weight per gallon		D 1475
Fineness of grind		D 1210
Odor		D 1296

4.3.2.2 Phthalic anhydride. Phthalic anhydride shall be measured in accordance with ASTM D 563.

4.3.2.3 Drying time. Drying time shall be determined by method 4041 of FED-STD-141, except that the specified conditions of temperature and humidity shall apply only for referee tests in case of dispute for types I and II; type III shall be baked for 30 minutes at 250°F, allowed to cool to room temperature, and then tested. All other tests shall be conducted under prevailing laboratory conditions. The print free test shall be determined by placing a piece of newspaper on the panel and applying full pressure of the thumb for 20 seconds. Upon removal of the paper, there shall be no mark on the enamel which persists for more than 15 minutes.

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4.3.2.4 Gloss. The gloss shall be determined by ASTM D 523. The panel for testing shall be prepared according to Method D of ASTM D 823. The test panel shall be a plain piece of opaque white glass. Forty-eight-hour drying time under prevailing laboratory conditions shall be allowed before making the readings, except that type III shall be baked for 30 minutes at 250°F, allowed to cool to room temperature, and then tested.

4.3.2.5 Color. Prepare panel and allow to dry as specified (see 4.3.2.4). The color shall meet the requirements of 3.4.2. Color shall be general color match as tested in accordance with ASTM D 1729.

4.3.2.6 Compatibility with thinner. Compatibility with thinner shall be determined in accordance with method 4203 of FED-STD-141, using 50 mL of paint and 50 mL of the specified solvent in table I. Observe immediately after mixing, and then 30 minutes after mixing.

4.3.2.7 Brittleness and adhesion, types II and III. Test for brittleness and adhesion shall be conducted in accordance with method 2197, method B of FED-STD-141. The enamel shall be applied to a flat tin panel to obtain a uniform dry film thickness of  $0.0012 \pm 0.002$  inch. The film shall be obtained as follows:

- Type II - Air dried for 1 hour and baked at 221°F for 24 hours.
- Type III - Baked for 30 minutes at 250°F.

Observe whether the film cuts loose in the form of a ribbon without flaking, or otherwise loosening from the panel.

#### 4.3.2.8 Pigment analysis.

4.3.2.8.1 Titanium dioxide. Analysis of titanium dioxide shall be determined in accordance with sections 8 through 12 of ASTM D 1394 using a 0.200 g sample for class 1 enamel and a 0.500 g sample for class 2 enamel.

4.3.2.8.2 Zinc oxide, type I only. Weigh 1,000 g of the extracted pigment and transfer to a 250 mL beaker. Wet with a few drops of acetone, and add 50 mL of 4 percent acetic acid solution. Warm on a steam bath for 10 minutes with frequent stirring. Remove, allow to settle and filter through a Whatman No. 40 paper or equal, catching residue in a 600 mL beaker. Wash residue four times with 4 percent acetic acid and twice with distilled water. Using three drops of methyl orange indicator solution, add concentrated ammonia until slightly alkaline and then add 10 mL in excess. Neutralize with hydrochloric acid, then add 4 mL of concentrated hydrochloric in excess. Dilute solution to 300 mL, heat nearly to boiling and titrate as specified in section 7 of ASTM D 3280. Compare zinc oxide determination to requirement of table II.

4.4 Inspection of packaging. Packaging, packing, and marking shall be examined to determine conformance with section 5 of this specification.

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## 5. PACKAGING

(The preparation for delivery requirements specified herein apply only for direct Government acquisitions.)

5.1 Preservation, packing, unitization and marking, level A or B (see 6.2.1).

5.1.1 Level A or B. Preservation, packing, unitization and marking shall be in accordance with PPP-P-1892.

5.2 Marking.

5.2.1 Level A or B. Level A or B marking shall be in accordance with MIL-STD-129.

5.2.2 Special marking. In addition to other markings required on the containers, there shall be the following statement: "The volatile content of this container is not photochemically reactive as defined by rule 102 of the South Coast Air Quality Management District (California)" (see 6.2.1 and 6.5).

5.2.3 Additional identification. Each paint container, shipping container, or palletized load shall be marked with an appropriate hazardous symbol in accordance with FED-STD-313 (see 6.2.1).

## 6. NOTES

6.1 Intended use. Type I is intended for maintenance and touch-up use and is ready for brush application as received; it requires an 8-hour drying period. Types II and III are primarily for use by manufacturers. Type II provides a fast (about 1 hour) air-drying enamel. Type III is a fast, low temperature baking enamel. Only type I, medium air-drying maintenance enamel is specified in ready-to-use condition, and will not require thinning. Types II and III enamels will require thinning as necessary to accommodate them to the processes and equipment used by the manufacturer.

6.1.1 The specification covers two classes of enamel in one color which differ in 60-degree specular gloss: class 1 gloss, with an optimum reading of 75 and a range of 65 to 85; and class 2 semigloss, with an optimum of 25 and range of 20 to 35.

6.2 Ordering data.

6.2.1 Acquisition requirements. Acquisition documents should specify the following:

- (a) Title, number, and date of this specification.
- (b) Type and class of coating required (see 1.2).
- (c) Laboratory for acceptance testing and extent of testing required (see 4.2.2).

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- (d) Size container if other than specified (see 5.1).
- (e) Selection of applicable level of packaging and packing required (see 5.1).
- (f) Special marking required (see 5.2.2 and 5.2.3).

6.2.2. Data requirements. When this specification is used in an acquisition which incorporates a DD Form 1423, Contract Data Requirements List (CDRL), the data requirements identified below shall be developed as specified by an approved Data Item Description (DD Form 1664) and delivered in accordance with the approved CDRL incorporated into the contract. When the provisions of DAR 7-104.9 (n) (2) are invoked and the DD Form 1423 is not used, the data specified below shall be delivered by the contractor in accordance with the contract or purchase order requirements. Deliverable data required by this specification is cited in the following paragraphs.

<u>Paragraph no.</u>	<u>Data requirement title</u>	<u>Applicable DID no.</u>	<u>Option</u>
3.3.1	Certificate of compliance	DI-E-2121	—
4.2.2	Reports, test	DI-T-2072	10.1.a

(Data item descriptions related to this specification, and identified in section 6 will be approved and listed as such in DoD 5000.19L., Vol. II, AMSDL. Copies of data item descriptions required by the contractors in connection with specific acquisition functions should be obtained from the Naval Publications and Forms Center or as directed by the contracting officer.)

6.2.2.1 The data requirements of 6.2.2 and any task in section 3, 4, or 5 of this specification required to be performed to meet a data requirement may be waived by the contracting/acquisition activity upon certification by the offeror that identical data were submitted by the offeror and accepted by the Government under a previous contract for identical item acquired to this specification. This does not apply to specific data which may be required for each contract, regardless of whether an identical item has been supplied previously (for example, test reports).

6.3 Basis of purchase. The enamel should be purchased by the volume, the unit being a U.S. gallon at 60°F.

6.4 If it is desired to use alkyd resin solution conforming to type I, class B of specification TT-R-266, the weight of the alkyd resin solution as specified in this specification, should be multiplied by 1.17, and the paint thinner, petroleum spirits (see TT-T-291, type I) reduced by 0.17 times the specified weight of the alkyd resin solution.

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6.5 Volatile content. Although the container marking specifically refers to the South Coast Air Quality Management District (California), the paint may be used anywhere paints complying with 3.3.1 are allowed. This includes nearly all other air pollution control districts or similar areas controlling the emission of solvents into the atmosphere. Information concerning rule 102 may be obtained from the South Coast Air Quality Management District, 9150 E. Flair Drive, El Monte, CA 91731.

6.6 Changes from previous issue. Asterisks are not used in this revision to identify changes with respect to the previous issue, due to the extensiveness of the changes.

Preparing activity:  
Navy - SH  
(Project 8010-0969)

Custodians:  
Army - ME  
Navy - SH  
Air Force - 99

**INSTRUCTIONS:** In a continuing effort to make our standardization documents better, the DoD provides this form for use in submitting comments and suggestions for improvements. All users of military 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 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 NAVY



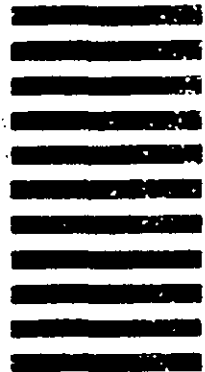
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## STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions - Reverse Side)

1. DOCUMENT NUMBER

2. DOCUMENT TITLE

3a. NAME OF SUBMITTING ORGANIZATION

4. TYPE OF ORGANIZATION (Mark one)

 VENDOR USER MANUFACTURER OTHER (Specify):

b. ADDRESS (Street, City, State, ZIP Code)

## C. PROBLEM AREAS

a. Paragraph Number and Wording:

b. Recommended Wording:

c. Reason/Rationale for Recommendation:

## D. REMARKS

7a. NAME OF SUBMITTER (Last, First, MI) - Optional

b. WORK TELEPHONE NUMBER (Include A Code) - Optional

c. MAILING ADDRESS (Street, City, State, ZIP Code) - Optional

d. DATE OF SUBMISSION (YYMMDD)

DD FORM 1426  
22 MAR

PREVIOUS EDITION IS OBSOLETE.

DO NOT DETACH THIS FORM. CUT ALONG THIS LINE.