

MIL-C-22750D
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 SUPERSEDING
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MILITARY SPECIFICATION

COATING, EPOXY-POLYAMIDE

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

1. SCOPE

* 1.1 Scope. This specification covers the requirements for a two component epoxy-polyamide coating for spray or brush application. It provides for a material suitable for use under Air Pollution Regulations and shall be used only when specified by the Procuring Activity (see 6.1).

* 1.2 Colors. The epoxy-polyamide coating covered by this specification shall be furnished in one packaged kit in the following FED. STD. 595 colors:

FEDERAL STANDARD NO. 595

<u>Color No.</u>	<u>Color Name</u>	<u>Color No.</u>	<u>Color Name</u>	<u>Color No.</u>	<u>Color Name</u>
11136	Insignia Red	24087	Olive Drab	34087	Olive Drab
12197	International Orange	26081	Seaplane Gray	36440	Light Gull Gray
14087	Olive Drab	26307	Gray	37038	Black
16081	Engine Gray				
16440	Light Gull Gray				
16473	Aircraft Gray				
17038	Black				
17925	Untinted White				
	Clear or Aluminized				

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Engineering Specifications and Standards Department (Code 93), Naval Air Engineering Center, Lakehurst, NJ 08733, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

NO INFORMATION REQUIREMENTS

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1.2.1 Other colors. The list in 1.2 is not restrictive: the epoxy coating may be procured in any color desired by the activity concerned. When colors other than those listed above are required, the pigmentation and applicable qualitative and quantitative requirements shall conform to those of the nearest matching color contained herein. Where no near matching color exists, the pigments shall be in accordance with the best commercial quality.

1.2.2 Components. The epoxy-polyamide coating shall consist of the following components as specified (see 3.3):

Component 1 Pigmented compound
Component 2 Non-pigmented compound (clear)

2. APPLICABLE DOCUMENTS

* 2.1 Issues of documents. The following documents of the issue in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

SPECIFICATIONS

FEDERAL

QQ-A-250/5 -Aluminum Alloy Alclad 2024, Plate and Sheet

TT-P-320 -Pigment, Aluminum, Powder and Paste, For Paint

PPP-P-1892 -Paint, Varnish, Lacquer, and Related Materials, Packaging, Packing, and Marking of

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MIL-C-5541 -Chemical Conversion Coatings on Aluminum and Aluminum Alloys

MIL-T-19544 -Thinner, Acrylic-Nitrocellulose Lacquer

MIL-C-22751 -Coating System, Epoxy-Polyamide, Chemical and Solvent Resistant, Process for Application of

MIL-P-23377 -Primer Coating, Epoxy-Polyamide, Chemical and Solvent Resistant

MIL-C-81706 -Chemical Conversion Materials for Coating Aluminum and Aluminum Alloys

MIL-T-81772 -Thinner, Aliphatic, Polyurethane Coating

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STANDARDS

FEDERAL

Fed. Test Method
Std. No. 141 -Paint, Varnish, Lacquer, and Related
Materials; Method of Inspection,
Sampling, and Testing

FED-STD-595 -Colors

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MIL-STD-105 -Sampling Procedures and Tables for
Inspection by Attributes

MIL-STD-129 -Marking for Shipment and Storage

(Copies of specifications, standards, drawings and publications required by contractors in connection with specific procurement functions should be obtained from the procuring 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. Unless otherwise indicated, the issue in effect on date of invitation for bids or request for proposal shall apply.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM D 523 -Specular Gloss, Test for

ASTM D 562 -Consistency of Paints Using the Stormer
Viscometer, Test for

ASTM D 1210 -Fineness of Dispersion of Pigment-
Vehicle Systems, Test for

ASTM D 1296 -Odor of Volatile Solvents and Dilutents,
Test for

ASTM D 1849 -Package Stability of Paint

ASTM D 2244 -Color Differences of Opaque Materials,
Instrumental Evaluation of

ASTM D 2369 -Volatile Content of Paints, Test for

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

3. REQUIREMENTS

3.1 Material. The ingredients used in the manufacture of this product shall conform to applicable Government specifications. Ingredient materials conforming to contractors' specifications may be used provided that prior approval is obtained from the Government. The use of contractors' specifications will not constitute waiver of Government inspection.

3.2 Toxicity. The manufacturer shall certify that the coating contains no substance of known toxicity under normal conditions of usage.

* 3.3 Components. The epoxy-polyamide coating shall consist of two components. Component I shall be pigmented and formulated as specified in Table I. These shall be packaged separately and furnished in kit form (see 5.1 and 6.3).

* 3.4 Volatile content. The volatile content of the admixed coating shall consist of a non-photochemically reactive solvent blend. A non-photochemically reactive solvent is any solvent with an aggregate of less than 20 percent of its total volume composed of the chemical compounds classified below or which does not exceed any of the following individual percentage composition limitations, referred to the total volume of solvent (see 4.6.1):

- (a) A combination of hydrocarbons, alcohols, aldehydes, esters, ethers or ketones having an olefinic or cyclo-olefinic type of unsaturation: 5 percent;
- (b) A combination of aromatic compounds with eight or more carbon atoms to the molecule except ethylbenzene: 8 percent;
- (c) A combination of ethylbenzene, ketones having branched hydrocarbon structures, trichloroethylene or toluene: 20 percent.
- (d) Total (a) + (b) + (c): 20 percent maximum.

3.4.1 Thinner. The thinner to be used with the admixed coating shall conform to MIL-T-81772.

3.4.2 Suspending agent. The manufacturer may select any suspending agent provided that the agent selected will give adequate suspension properties without detracting from the performance properties of the coating. The limits of the suspending agent shall be 0.0 to 1.0 percent by weight of total pigment. No deviation from any other provision of this specification shall be permitted because of the suspension agent used.

3.5 Physical properties.

TABLE I. Percent by weight composition (epoxy-polyamide coating).

Epoxy-polyamide coating	White	Aircraft gray	Engine gray	Black	Seaplane gray	Light gull gray	Olive drab gloss 14087
Total Nonvolatile							
Minimum	61	55	52	49	55	49	50
Maximum	63	57	54	51	57	51	52
Pigment (percent by weight of Component I)							
Minimum	47	43	26	35	47	43	--
Maximum	49	45	28	37	49	45	--

TABLE I. Percent by weight composition (epoxy-polyamide coating). (cont'd)

Epoxy-polyamide coating	Olive drab Lusterless 34087	Clear	International orange	Insignia red	24087 Olive drab
Total Nonvolatile					
Minimum	51	53	57	43	50
Maximum	53	55	59	45	52
Pigment (percent by weight of Component I)					
Minimum	43	--	33	15	39
Maximum	45	--	36	17	41

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3.5.1 Condition in container. Component I, in a closed container that has been allowed to stand without agitation for at least two weeks, shall be capable of being easily mixed by hand with a paddle to a smooth, homogeneous, pourable condition. There shall be no trace of pigment flotation or coarse particles, and no evidence of hard or objectionable settling which cannot be dispersed readily. Component II shall be homogeneous, clear, and free from suspended matter (see 4.6.1).

* 3.5.2 Odor. The odor of the epoxy-polyamide, as packaged components or as a film after application, shall pass the tests specified in 4.6.1.

3.5.3 Viscosity. The stormer viscosity determined one hour after mixing, shall be a minimum 40 krebs units, using a Stormer viscosimeter (see 4.6.1.).

3.5.4 Fineness of grind. The fineness of grind of the admixed epoxy-polyamide paint shall be not less than 7 for the gloss, nor less than 5 for semi-gloss and lusterless. Test shall be conducted 6 hours after admixture. (See 4.6.1).

3.5.5 Storage stability. The previously unopened packaged product shall meet all the requirements specified herein for a period of one year, provided that the daily mean temperature of the ambient air at the storage location falls within the range of 35 to 95 degrees Fahrenheit, and the peak ambient air temperature does not exceed 115 degrees Fahrenheit. (See 4.6.1 and 4.6.9).

3.6 Film properties.

3.6.1 Color. The color of the epoxy-polyamide shall match the applicable FED-STD-595 color standards (see 4.6.1).

3.6.2 Gloss. Gloss values of the admixed epoxy-polyamide coating shall be as specified in Table II (see 4.6.1).

* TABLE II. Gloss values.

	Maximum	Minimum
Gloss colors	-	80
Semi-gloss colors	30	15
Lusterless (all colors except the following:	8	-
Olive Drab	8	2
Light Gull Gray	16	-

3.6.3 Color (for white only) by photoelectric tristimulus. The minimum values shall be as follows (see 4.6.1):

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B value - 80
A value - 80
G value - 80

The minimum tristimulus values shall be considered as defining the minimum values for the Insignia White color; in addition, the color shall be characteristic of the pigment and vehicle used. Therefore, brighter or whiter shades than Color No. 17875 shall be considered acceptable.

3.6.3.1 Hiding power (white only). The minimum contrast ratio of white epoxy film on white and black hiding power charts shall be 0.90. Maximum dry film thickness shall be 0.001 inch (see 4.6.8).

* 3.6.4 Drying time. The epoxy-polyamide coating, applied to a total dry film thickness of 1.0 to 1.2 mils one hour after Components I and II are admixed shall have a set-to-touch within one hour and shall dry hard within 7 hours. (See 4.6.1).

3.6.5 Surface appearance. The epoxy-polyamide film, after drying through, shall be free from blushing, streaks, blisters, coarse particles, or other irregularities of surface. Camouflage, semigloss, and aluminized colors shall show no cratering. For gloss colors and clear, evidence of more than three craters in any one panel will be sufficient cause for rejection. (See 4.6.4.)

3.6.6 Adhesion (tape test). The epoxy-polyamide coating under test, prepared and tested as specified in 4.3.1 and 4.6.3, shall exhibit no removal from the primer or the system from the panel. The film shall show no blistering or other defects (see 4.6.3).

3.6.7 Adhesion (knife test). The epoxy-polyamide film shall exhibit satisfactory adhesion. The epoxy-polyamide film under test shall cut loose in the form of a ribbon or curl on cutting. The cut shall show beveled edges (see 4.6.2).

3.7 Resistance properties.

* 3.7.1 Lubricating oil resistance. The epoxy-polyamide film shall withstand immersion in oil at a temperature of 250°F for 4 hours, without showing any defects except a very slight softening of the film. (See 4.6.5).

3.8 Working properties.

3.8.1 Mixing. Component II shall mix readily with the pigmented Component I to a smooth homogeneous quality.

3.8.2 Application. When Components I and II are admixed and reduced for spraying with thinner, as specified in 4.3.1.2, the material shall be a freely working product.

3.9 Workmanship. The component ingredients shall be intimately assembled and processed as required in accordance with the best practice for the manufacture of high quality coating.

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3.10 Coating flexibility. The coating flexibility shall be determined in accordance with 4.6.1.

4. QUALITY ASSURANCE PROVISIONS

* 4.1 Responsibility for inspection. Unless otherwise specified in the contract, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract, 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 Classification of tests. All the tests required for testing of paint are classified as Quality Conformance tests, except the storage stability test (see 4.4.4).

4.3 Test conditions. The laboratory testing conditions shall be in accordance with Fed. Test Method Std. No. 141 and as described herein.

4.3.1 Test panels. Panels shall be prepared under laboratory testing conditions (see 4.3). All panels used for test purposes shall be aluminum-clad aluminum alloy conforming to QQ-A-250/5, and treated with materials conforming to MIL-C-81706 to produce coatings conforming to MIL-C-5541. The panels shall be 0.020 by 3 by 6 inches in size unless otherwise specified, and finished as specified below. Additional information on the application of epoxy coatings may be obtained in MIL-C-22751.

* 4.3.1.1 Application of primer. Apply 0.0006 to 0.0009 inch dry film thickness, of epoxy-polyamide primer, MIL-P-23377, and air dry for 1 hour. Apply epoxy-polyamide topcoat as directed in 4.3.1.2.

* 4.3.1.2 Application of topcoat. The admixed epoxy-polyamide coating under test shall be reduced with thinner conforming to MIL-T-81772 to a viscosity of 16 to 18 seconds in a No. 4 Ford Cup and allowed to stand one (1) hour before using. Apply a mist first coat of the reduced paint and air dry for 30 minutes. Apply a second coat to a total dry film thickness of 0.0016 \pm 0.0002 inch. Clear epoxy-polyamide shall not be tested as such; it shall be mixed with aluminum past for the application test. Panels shall be cured for seven days before testing. Topcoat is intended for use over MIL-P-23377 primer. Do not mix paint systems.

* 4.3.2 Methods for preparing epoxy-polyamide samples. Samples shall be prepared for testing in accordance with Fed. Test Method Std. No. 141 and as specified herein. For the "condition in container" test, Component I shall be stirred by hand with a paddle. For all other tests, Component I shall receive 20 minutes agitation in a Red Devil Shaker, or equivalent mechanical agitation. Component II shall be stirred by hand with a paddle. After the separate agitation or stirring of the components, their combined mixing shall be performed by pouring Component II slowly, with stirring, into Component I, incorporating equal volumes of the components, and stirring thoroughly with the paddle. Thinner shall be used only when spraying is

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required. The thinner shall conform to MIL-T-81772. Prior to tests, the mixtures (with and without thinner) shall be permitted to stand for at least one hour after mixing.

4.4 Report of tests. The manufacturer shall submit test reports to the Government representative, for each batch, showing the results of all tests specified herein except storage stability. Each ingredient material shall be identified as to the name of its manufacturer and that manufacturer's trade-name and formula number.

4.4.1 Compositional data. In lieu of reporting analytical results on the breakdown of the nonvolatile and volatile composition of the epoxy-polyamide paint including non-photochemically reactive solvents, the manufacturer may report such results as "calculated" under the condition that he has carefully described by separate report, attached to the manufacturer's test reports, the character and detail of his production methods which in his opinion guarantee that any suitable analysis made by the Government will yield acceptable results.

4.4.2 Examination of product. The epoxy-polyamide coating shall be examined for conformance with the requirements of this specification with respect to material and workmanship.

4.4.3 Sampling.

* 4.4.3.1 Sampling for tests. Samples consisting of (1) two separate quarts of Component I and (2) two separate quarts of Component II shall be selected at random by a Government representative.

4.4.3.1.1 Ingredient materials. When requested by proper authority, a sample from each lot of the ingredient materials shall be taken for test purposes.

4.4.3.2 Sampling for visual inspection of filled containers. A random sample of filled containers shall be selected in accordance with MIL-STD-105 at Inspection Level I and Acceptable Quality Level of 2.5 percent defective to verify all requirements of this specification in regard to fill, closure, packaging, packing, marking, workmanship, and other requirements not involving tests.

4.4.4 Quality conformance inspections. Quality conformance inspections shall be as specified in table III.

TABLE III. Quality conformance inspections.

Inspection	Requirement paragraph	Test method paragraph
Pigment Content	3.3	4.6.1
Volatile Content	3.4	4.6.1
Nonvolatile Content	3.4	4.6.1
Condition in Container	3.5.1	4.6.1
Odor	3.5.2	4.6.1

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Table III Quality conformance inspections (continued)

Inspection	Requirement paragraph	Test method paragraph
Viscosity (Stormer)	3.5.3	4.6.1
Fineness of Grind	3.5.4	4.6.1
Color of Pigmented Coatings	3.6.1	4.6.1
Specular Gloss	3.6.2	4.6.1
Hiding Power	3.6.3.1	4.6.8
Drying Time	3.6.4	4.6.1
Non-Photochemically Reactive Solvents	3.4	4.6.1
Coating Flexibility	3.10	4.6.1
Adhesion (knife test)	3.6.7	4.6.2
Adhesion (tape test)	3.6.6	4.6.3
Surface appearance	3.6.5	4.6.4
Lubricating oil resistance	3.7.1	4.6.5

4.5 Additional tests. The Government reserves the right to rerun any or all tests of this specification at any time within one year from the date of manufacture of the epoxy-polyamide paint as attested by the date appearing on the container's label. Samples for retest shall be taken from previously unopened containers.

4.6 Test methods. The tests of this specification shall be conducted in accordance with the specified methods of Fed. Test Method Std. No. 141 and as described herein. Ingredient materials submitted shall be tested to determine compliance with the applicable specifications.

4.6.1 Standard tests. The following tests shall be conducted in accordance with the specified methods as given in Fed. Test Method Std. No. 141 and as specified herein.

Tests	Method No.	
	Federal Test Method Standard No. 141	ASTM Method
Pigment Content (Regular centrifuge) (Solvent mixture "C")	4021	--
Volatile and Nonvolatile Content (for reproducibility in determining the nonvolatile content, equal weight of tricresyl phosphate shall be added to the samples under test)	--	D 2369
Condition in Container	3011	--
Odor	--	D 1296
Viscosity (Stormer)	--	D 562
Fineness of Grind (determined with use of gage having minimum path length of 4 inches)	--	D 1210

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Tests	Method No.	
	Federal Test Method Standard No. 141	ASTM Method
Color of Pigmented Coatings	--	D 2244
Specular Gloss	---	D 523
Drying Time (determined on anodized aluminum)	4061	--
Non-Photochemically Reactive Solvents	7360	--
Storage Stability	--	D 1849
Coating Flexibility	6221	--

4.6.2 Adhesion (knife test). Panels prepared as directed in 4.3.1 shall be tested for adhesion in accordance with Method 6304 of Fed. Test Method Std. No. 141. (See 3.6.7)

4.6.3 Adhesion (tape test). Panels prepared as specified in paragraph 4.3.1 shall be immersed in distilled water for 24 hours at room temperature. The panels shall be removed and wiped dry with a soft cloth. Immediately thereafter two parallel scratches, one inch apart, and penetrating to the metal, shall be made with a stylus upon a previously immersed part of each panel. A 1-inch strip of masking tape, taken from a fresh sample of Minnesota Mining and Manufacturing Company, Code No. 250 masking tape, shall be applied across each side of scratches, adhesive side down. The tape shall be pressed down with two passes of 4-1/2 pound rubber-covered roller approximately 3-1/2 inches in diameter by 1-3/4 inches in width. The surface of the roller shall have a Durometer hardness value within the range of 70 to 80. The tape shall be removed in one abrupt motion and each panel examined for conformance to the requirements of this specification. The interval from the time of removal of the panels from the water to the time of application of the tape shall be 50 ±5 seconds. Stripping of tape from panel shall be done immediately after application thereof. (See 3.6.6)

4.6.4. Surface appearance. The film of a panel 12 inches by 12 inches minimum prepared as specified in 4.3.1 shall be examined. (See 3.6.5)

4.6.5 Lubricating oil resistance. Panels prepared as specified in 4.3.1 shall be immersed in diester lubricating oil composed of di-2-ethyl-hexyl sebacate (95 percent) and tricresyl phosphate (5 percent) by weight, at a temperature of 250°F for 4 hours. The panels shall be cooled to room temperature, examined, and compared with unexposed panels. Discoloration shall not be cause for rejection. (See 3.7.1)

* 4.6.6 Additional tests. Additional chemical and physical tests shall be run as may be necessary to determine that the proper ingredients and proportions have been used.

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4.6.7 Rejecting criteria. If a test specimen fails to meet any of the tests required by this specification, the lot represented by the sample shall be rejected.

* 4.6.8 Hiding power. Hiding power of the coating shall be determined with a colorimeter in accordance with ASTM D2244. Using the XYZ color space, the contrast ratio shall be defined as the ratio of the Y reflectance of the coating over a black hiding power chart to the Y reflectance over a white hiding power chart. (See 3.6.3.1)

4.6.9 Storage stability. The manufacturer shall submit a notarized certification signed by a responsible official of its management, attesting that the epoxy-polyamide coating will meet all the requirements of this specification after storage as specified in 3.5.5 for a period of one year.

4.7 Inspection for packaging, packing, and marking. The epoxy-polyamide material shall be inspected for all the requirements of Section 5.

5. PACKAGING

5.1 Packaging requirements. For direct purchases by or direct shipments to the Government, the packaging, packing, and marking for shipment shall be in accordance with PPP-P-1892 and as specified in 5.2. The level of packaging shall be as specified (see 6.2). The epoxy-polyamide coating shall be supplied in a kit, packaged as a unit consisting of pigmented (or clear) compound marked Component I and the unpigmented compound marked Component II. The quantity of each component in the kit shall be in the proportions: "1 to 1" by volume.

* 5.2 Marking. Each component container in every kit and exterior shipping container shall be marked in accordance with MIL-STD-129. In addition to the marking specified in MIL-STD-129, individual cans and containers shall bear a printed label (all printed labels shall be overcoated with a clear coating for weather proofing) showing the following nomenclature and information as applicable:

"Component Identification:

Component I - Pigmented Compound or Clear for Aluminizing
(as applicable)

Component II- Clear Compound

Specification MIL-C-22750D

Color (Name and Number)

Manufacturer's Name or Trade-Mark

Date Manufactured, Month and Year

Mixing, Thinning and Spraying Directions (direction labels shall be clearly legible)"

"Precautions

1. Surface skin shall be absolutely clean (free from oil, dust).
2. Equipment shall be adequately grounded. Clean spray gun, brushes and equipment immediately after use with thinner specified by the manufacturer.

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3. The coating will not adhere to wash primer that has blushed or that has been applied when the relative humidity is below 35 percent (see MIL-C-22751).
4. Mix only that amount which can be used in one day.
5. Epoxy-polyamide coatings build up thickness very readily. Thick films are detrimental for good adhesion.
6. Epoxy-polyamide coating from one vendor shall never be mixed with that of another.
7. Components are not interchangeable: for example Component I of one color may not be used with Component II of another color.
8. Component I or Component II from one manufacturer shall not be mixed with products of another manufacturer.
9. This coating is intended for use only over primer MIL-P-23377."

"Thinning Directions: This is a two package coating which is prepared by adding 1 part Component II to 1 part Component I slowly while stirring. Each component shall be mixed before combining. The manufacturer shall specify the volume of MIL-T-81772 thinner to be employed."

The information below is intended for the label for clear epoxy coating packages only:

"Aluminum Epoxy Coating: Prepare by incorporating 16 ounces of Aluminum paste conforming to TT-P-320, Type II, Class A, in 1 gallon of clear mixed epoxy-polyamide with the aid of thinner, non-photochemically reactive thinner as recommended by the manufacturer. Aluminum powder of comparable fineness, purity, and physical properties may be employed in the production of aluminized finishes. In such instances where powder is used, the amount shall be equal to that contained in the amount of aluminum content of the aluminum paste specified."

"Instructions for Use. Important see MIL-C-22751 Coating System, Epoxy-Polyamide, Chemical and Solvent Resistant, Process for Application of."

6. NOTES * 6.1 Intended use. The epoxy-polyamide coating covered by this specification is formulated for protection of areas exposed to chemicals and solvents and is intended for exterior or interior use on weapons systems and other applications.

* 6.2 Ordering data. Acquisition documents should specify the following:

- (a) Title, number, and date of this specification.
- (b) Kit desired.
- (c) Color number and name. Requisitions, contracts, and orders should specify the quantity and size of container or containers in which the epoxy finish is to be furnished.

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(d) The unit of purchase to be the U.S. Gallon (231 cubic inches at 15.5°C (60°F).

(e) Level of packaging and packing (see Section 5).

* 6.3 Resin. A resin in solution shall be used. The solvent for the resin shall be such that the final epoxy-polyamide formulation will have a solvent content which is non-photochemically reactive. The epoxy resin solution shall be filtered and as free as possible from colloidal suspensions in order to reduce the possibility of cratering.

* 6.3.1 Viscosity. The coating manufacturer should ascertain that the batch of epoxy resin solution that he proposes to use for Component I will yield a product that conforms to the proper viscosity requirements. Some epoxy resins will produce a high viscosity Component I.

* 6.4 Changes from previous issue. The margins of this specification are marked with an asterisk to indicate where changes (additions, modifications, corrections, deletions) from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Custodians:

Army - ME
Navy - AS

Preparing activity:

Navy - AS
Project No. 8010-0877

Review activities:

Army - CR, MI, MR, AR, EA, AV
Navy - AS, OS, MC
DS

User activities:

Navy - EC, MC

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)*

5. PROBLEM AREAS

a. Paragraph Number and Wording:

b. Recommended Wording:

c. Reason/Rationale for Recommendation:

6. REMARKS

7a. NAME OF SUBMITTER *(Last, First, MI) - Optional*b. WORK TELEPHONE NUMBER *(Include Area Code) - Optional*c. MAILING ADDRESS *(Street, City, State, ZIP Code) - Optional*8. DATE OF SUBMISSION *(YYMMDD)*

(TO DETACH THIS FORM, CUT ALONG THIS LINE.)