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MIL-P-15930B
AMENDMENT-2
13 April 1970
~~SUPERSEDING~~
AMENDMENT-1
1 August 1967

MILITARY SPECIFICATION

PRIMER COATING, SHIPBOARD, VINYL-ZINC CHROMATE

(FORMULA NO. 120 - FOR HOT SPRAY)

This amendment forms a part of Specification MIL-P-15930B, dated 31 May 1961 and is mandatory for use by all Departments and Agencies of the Department of Defense.

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2.1: Delete and substitute:

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

SPECIFICATIONS

FEDERAL

RR-S-366 - Sieve, Test.
TT-M-268 - Methyl Isobutyl Ketone (for Use in Organic Coatings).
TT-P-143 - Paint, Varnish, Lacquer and Related Materials; Packaging, Packing and Marking of.
TT-P-350 - Pigment, Lampblack-Dry.
TT-T-548 - Toluene, Technical.
TT-T-656 - Tricresyl Phosphate.

MILITARY

MIL-P-15173 - Pigment Magnesium-Silicate; Dry (Paint Pigment).
MIL-A-15206 - Aluminum Stearate, Technical.
MIL-P-15328 - Primer (Wash), Pretreatment, Blue (Formula No. 117 for Metals).

STANDARDS

FEDERAL

FED-STD-141 - Paint, Varnish, Lacquer and Related Materials; Methods of Inspection, Sampling, and Testing.

MILITARY

MIL-STD-755 - Labels Containing Symbols for Packages and Containers for Hazardous Industrial Chemicals and Materials.

(Copies of specifications, standards, drawings, and publications required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)"

2.2: Delete and substitute:

"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.

1/ CHANGES FROM PREVIOUS ISSUE. THE OUTSIDE MARGINS OF THIS DOCUMENT HAVE BEEN MARKED "1" TO INDICATE WHERE CHANGES (DELETIONS, ADDITIONS, ETC.) FROM THE PREVIOUS ISSUE HAVE BEEN MADE. THIS HAS BEEN 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 AS WRITTEN IRRESPECTIVE OF THE MARGINAL NOTATIONS AND RELATIONSHIP TO THE LAST PREVIOUS ISSUE.

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AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

D 2244 - Instrumental Evaluation of Color Differences of Opaque Materials.

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

3.1.1, lines 4, 5, and 6: Delete "Reasonable variation in the amount of toluene will be permitted to adjust to the required viscosity,".

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Table I, line 4: Delete "TT-L-70" and substitute "TT-P-350".

Table I, footnote 3/, last 3 lines: Delete "1.0 gram of potassium dichromate dissolved in 100 milliliters (ml) of water" and substitute "Gardner Color Standard No. 5".

3.4.2, line 2: Delete "chip" and substitute "card".

Table II, column 3, line 5: Delete "0.5" and substitute "0.2".

3.4.4: Delete and substitute:

"3.4.4 Knife test. The primer coating when applied and tested as specified in 4.3.2.5 shall adhere tightly to and shall not flake or crack from the metal. The film shall ribbon or curl from the metal on cutting, and there shall be no separation between the MIL-P-15328 pretreatment coating and the vinyl primer."

3.4.6: Delete.

4.1 Delete and substitute:

"4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or order, the supplier 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."

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4.2.1: Delete and substitute:

"4.2.1 Ingredient materials. When procured by Government activities in quantities of paint of 250 gallons or over, one quart sample each of the following: vinyl resin, zinc chromate, magnesium silicate, methyl isobutyl ketone and toluol; plus one pint sample of each of the following: lampblack, aluminum stearate and tricresyl phosphate, shall be taken by the Government representative for acceptance tests by the appropriate General Services Administration (GSA), laboratory for approval prior to manufacture.

"4.2.2 Finished paint. When procured by Government activities at least one unopened container from each lot shall be taken by the Government representative for acceptance tests by the appropriate GSA laboratory prior to manufacture."

4.3.1: Delete.

4.3.2.1: Add at end of listing:

Test	Method
"Chromium as CrO ₃	7331
ZINC OXIDE as ZNO	7331
Time of setting to touch	4061

All replicate numerical test results deemed valid shall be averaged, but only for the material from one original container. Failure of the material from any container shall result in lot rejection."

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- # 4.3.2.2, line 2: After "4061" add "(Dry hard time procedure)".
- # 4.3.2.3, lines 13 and 14: Delete "ASTM Tentative Test Method D1482-57T, D1495-57T" and substitute "ASTM D 2244".
- # 4.3.2.5: Delete and substitute:
 "4.3.2.5 Knife test. A 0.5 (dry) film of pretreatment coating conforming to MIL-P-15328 shall be applied to a steel panel. After 1-hour drying time, a 1.0 mil. (dry) film of test primer coating shall be applied to the pretreatment film and dried for 24 hours. Perform the knife test in accordance with method 6304 of FED-STD-141 and observe for compliance with 3.4.4."
- 4.3.2.6, 4.3.2.6.2, and 4.3.2.6.3: Delete.

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- # 5: Add the following sentence after "5. PREPARATION FOR DELIVERY."
 "(The preparation for delivery requirements specified herein apply only for direct Government procurements.)"
- # 5.2: Add at the end of "Special instructions" paragraph: "Storage at low temperature may cause gelling. Fluidity can be restored by heating slowly. Do not exceed 120°F."
- # 5.2.1, line 3: Delete "Specification MIL-L-19868" and substitute "MIL-STD-755".
- 6.3: Delete and substitute:
 "6.3 Color cards. Color cards may be obtained upon application to the Chemical Laboratory, Norfolk Naval Shipyard, Portsmouth, Virginia 23704. The purpose for which the cards are desired should be specified."
- "Notice" paragraph: Delete.

Custodian:
 Army - MR
 Navy - SH
 Air Force - 84

Preparing activity:
 Navy - SH
 (Project 8010-0667)

Review activities:
 Army - MR, MI
 Navy - SH, SA
 Air Force - 85

User activities:
 Navy - YD, AS