

[METRIC]
A-A-2336A
November 1, 1995
SUPERSEDING
A-A-2336
January 11, 1985

COMMERCIAL ITEM DESCRIPTION

PRIMER COATING (ALKYD, EXTERIOR WOOD, WHITE AND TINTS)

The General Services Administration has authorized the use of this commercial item description as a replacement for TT-P-25 for all Federal Agencies.

1. SCOPE. This commercial item description covers one type of pigmented exterior alkyd primer coating having a maximum Volatile Organic Compound Content of 250 grams per liter. This primer is intended for use over wood.
2. SALIENT CHARACTERISTICS. The primer coating shall be a long-oil alkyd paint, reducible in mineral spirits, and have the properties described below.
 - 2.1 Condition in container. The primer coating shall be free from skins, livering, seeds, and hard settled pigment and shall be readily dispersible to a uniform condition by five minutes of hand stirring. A closed, three-quarter filled container shall not skin within 48 hours, when stored at room temperature.
 - 2.2 Prohibited materials. The lead content shall not exceed 0.06 percent of the nonvolatile content. Mercury, cadmium, hexavalent chromium compounds, benzene, toluene, xylene, ethyl benzene, chlorinated solvents, and ethylene-based glycol ethers and their acetates, methyl ethyl ketone, and methyl isobutyl ketone shall not be used in the formulation.
 - 2.3 Qualitative requirements.
 - 2.3.1 Application properties. When tested as specified in ASTM D 2932, the primer coating shall brush and spray easily and dry to a smooth, uniform film, free from dusting, mottling, sagging, lap marks, color separation, orange peel, or excessive brush marks. The substrates shall be Western Red Cedar, White and Ponderosa Pines, and Southern Pine conforming to the requirement in ASTM D 258.
 - 2.3.2 Flexibility. The primer coating shall not crack or flake when bent over a 3.18 mm (0.125 inch) diameter mandrel, as described in ASTM D 522. The test shall be performed on a draw down of the primer coating on tinplate panels.

The dry film thickness shall be 37 +/- 2 um (0.0015 +/- 0.0001 inch). The coating shall air dry for 24 hours and then conditioned for 2 hours at 105 degrees C (221 degrees F), prior to testing.

2.3.3 Color. The tinted primer coating shall be a general match to the color specified.

2.3.4 Water resistance. When tested as specified in ASTM D 1308, the primer coating shall show no wrinkling, blistering or loss of adhesion immediately after 24 hours immersion in distilled water at 23 degrees C (73 degrees F).

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*Beneficial comments, recommendations, additions, deletions, clarifications, *
etc. and any data which may improved this document should be sent to: General
*Services Administration, Paints and Chemicals Commodity Center, Engineering *
*and Commodity Management Division (10FTE), 400 15th Street, NW, Auburn, WA *
*98001-6599. *
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After a two hour recovery, there shall be no visual difference in hardness and color of the immersed coating when compared to that of the unimmersed portion. The test shall be performed on a draw down of the primer coating on tinplate panels. The dry film thickness shall be 37 +/- 2 um (0.0015 +/- 0.0001 inch). The coating shall air dry for 72 hours prior to testing.

2.4 Quantitative requirements. The coating shall have the following quantitative properties:

Property	Value	ASTM Method
*Total solids, percent by weight, min.	76	D 2369
*Total solids, percent by volume, min.	60	D 2697
*Volatile organic compound (VOC) content (less water and exempt solvents), grams/liter (lb./gal), max.	250 (2.08)	D 3960 [1]
*Coarse particles and skins, max., (retained on No. 325 sieve)	1.0	D 185
*Fineness of grind (Hegman scale), min.	4	D 1210
*Consistency, KU	75 to 95	D 562
*Drying time, hours, max.		D 1640 [2]
* Set to touch	4 - 6	
* Dry hard (recoat)	18 - 24	
*Directional reflectance (white only), min.	80	E 97
*Fungus resistance, min.	8	D 3273, D 3274

[1] The VOC shall be determined on the primer as applied in accordance with the manufacturer's instructions for use.

[2] The coating shall be applied to glass panels with a doctor's blade. The dry film thickness shall be 37 +/- 2 um (0.0015 +/- 0.0001 inch).

3. REGULATORY REQUIREMENTS. 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).

4. QUALITY ASSURANCE PROVISIONS.

4.1 Contractor Certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this Commercial Item Description, and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices, and is the same product offered for sale in the

commercial marketplace. 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. PACKAGING. Preservation, packing, and marking shall be as specified in the contract or order.

6. NOTES.

6.1 Part Identification Number (PIN). The following part identification numbering procedure is for government purposes and does not constitute a requirement for the contractor.

AA2336-G-20400

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* * .)))) FED-STD-595 COLOR NUMBER

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* .)))))) SIZE: G = GALLON

* P = 5 GALLON PAIL

* D = 55 GALLON DRUM

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6.2 Source of documents and standards.

6.2.1 Contact the contracting officer for a copy of paragraph 23.403 of the FAR.

6.2.2 Copies of ASTM specifications and standards may be obtained from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.

MILITARY INTERESTS:

CIVILIAN AGENCY

COORDINATING ACTIVITIES:

Military Coordinating Activity

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Navy - AS

GSA - FSS

COM - NIST

Custodian

VA - OSS

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Air Force - 99

Preparing Activity

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Review Activities

GSA - FSS

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Air Force - 84

Army - AT

User Activity

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Marines - MC