

[METRIC]
A-A-2994
July 15, 1996
SUPERSEDING
TT-E-545C
September 11, 1986

COMMERCIAL ITEM DESCRIPTION

PRIMER COATING, INTERIOR, FOR WALLS AND WOOD

The General Services Administration has authorized the use of this commercial item description, for all federal agencies.

1. SCOPE.

This commercial item description covers two types of interior wall and wood trim primer. Both types are lead free, low VOC, and can be top coated with alkyd or latex paints. These coatings are intended for uncoated interior surfaces such as wood trim, sheet rock, particle board, and masonry.

2. CLASSIFICATION.

This primer shall be of the following types.

Type I	-	Alkyd primer.
Type II	-	Latex primer

3. SALIENT CHARACTERISTICS.

3.1 Prohibited materials. The manufacturer shall certify that no mercury, cadmium, hexavalent chromium, Hazardous Air Pollutants (HAPs), or Ozone Depleting Substances (ODSs) are used in the formulation and that the lead content of the nonvolatile portion of the coating does not exceed 0.06 percent.

3.2 Condition in container. The 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.

3.3 Quantitative requirements. The primer coatings shall meet the requirements specified in table I.

3.4 Color. The color shall be as specified in the contract or purchase order.

4. REGULATORY REQUIREMENTS.

4.1 Federal Acquisition Regulations (FAR). The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the FAR.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any other data which may improve this document should be sent to: General Services Administration, Paints and Chemicals Center, Engineering and Commodity Management Division (9FTE-10), 400 15th St. SW, Auburn, WA. 98001.

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TABLE I Quantitative Requirements.

Property	Value		ASTM method
	Type I	Type II	
Viscosity, K.U.	75 to 95	80 to 105	D 562
Drying time, hours			
Set to touch, hrs. within	2	2	D 1640
Dry to recoat, hrs. within	18	12	D 1640 1/
Fungus resistance, min (Type II only)	—	8	D 3273, D 3274
Volatile Organic Compound (VOC) content (less water and exempt solvents), g/l (lb/gal), max	350 (2.92)	250 (2.09)	D 3960 2/
Freeze-thaw resistance, viscosity change, KU, three cycles (Type II only)			
Difference from the control specimen	—	None	D 2243
Maximum viscosity difference, K.U.	8	8	D 2243 and D 562
Adhesion	4B	4B	D 3359 1/, 3/
Coverage at a dry film thickness of $37 \pm 2\mu\text{m}$, min.	11.4 m ² /L (450 ft ² /gal)	11.4 m ² /L (450 ft ² /gal)	
Enamel holdout. Difference in 60° gloss between one and two topcoats, percent, max.	5	5	D 523 4/
Package stability of primer			D 1849 and Note 2
Viscosity after storage	75-95	80-105	D 1849 and D 562
Rigidity after storage	10	10	D 1849 and D 869

1/ The primer coating shall be applied to four mahogany, pine, or Douglas fir panels prepared in accordance with FED-STD-141 method 2031. The dry film thickness shall be $37 \pm 2\mu\text{m}$ (0.0015 ± 0.0001 inch). For the dry to recoat time, two primed panel shall be topcoated with a latex topcoat. The other two panels shall be coated with an alkyd topcoat.

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

3/ Use test method B. Allow the coating to dry for 72 hours prior to testing. Use Scotch Brand Tape number 810 or any other cellophane tape with the same adhesive strength.

4/ The test panel shall be in accordance with ASTM C 36, 240 X 120 cm (8 X 4 ft) nominal. Brush an interior alkyd semi-gloss enamel (60° gloss 40 - 60) over one-half of the test panel. The dried film thickness of the enamel shall be $37 \pm 2\mu\text{m}$ (0.0015 ± 0.0001 inch). After air drying for 24 hours, brush a coat of the primer over the entire panel. The dry film thickness of the primer shall be $37 \pm 2\mu\text{m}$ (0.0015 ± 0.0001 inch). After 48 hours, measure the 60° specular gloss over each area in accordance with ASTM D 523.

4.2 Code of Federal Regulations (CFR). The primer coatings shall not contain any substance listed in the following Code of Federal Regulations as a hazardous air pollutant or ozone depleting substance:

- a. 40 CFR part 61 through 63
- b. 40 CFR part 82

4.3 MSDS. The manufacturer must comply with requirements set forth by the Hazardous Communication Standard 29 CFR 1910.1200 (d) through (g). All Material Safety Data Sheets (MSDSs) submitted must comply with provisions of FED-STD-313.

5. QUALITY ASSURANCE PROVISIONS.

5.1 Contractor Requirements. The contractor shall 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.

The contractor shall provide the required information in a tabulated format and with enough clarity so that the formulation of the tested product can be traced compared to the offered product(s). The contractor shall also provide a summary of performance data, consisting of test reports, substantiating that the product to be supplied under this CID meets the ASTM documents cited in table I 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.

5.2 Market Acceptability. The item offered must have been sold in substantial quantities to the commercial market.

6. PACKAGING.

Preservation, Packing, and marking shall be as specified in the contract or order.

7. NOTES.

7.1 Uses. Both types of primer can be applied directly over painted and unpainted interior sheet rock, particle board, masonry, new and painted wood and wood trim. Interior masonry and brick should be dry. Do not use on masonry and brick if Portland cement is present.

7.2 Ordering Data. Purchasers should include the following information in the contract or purchase order.

- (a) Title, number, and date of this commercial item description
- (b) Type of primer coating required
- (c) Color required
- (d) Quantity and size of the container required
- (e) Address to whom MSDSs should be sent
- (f) Packaging, packing, and marking required

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

{ EMBED Chansma }

7.4 Applicable documents.

Federal documents:

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

ASTM Standards:

- C 36 - Gypsum Wallboard.
- D 522 - Mandrel Bend Test of Attached Organic Coatings.
- D 523 - Specular Gloss.
- D 562 - Consistency of Paints Using the Stormer Viscometer.
- D 869 - Evaluating Degree of Settling of Paint.
- D 1640 - Drying, Curing, or Film Formation of Organic Coatings at Room Temperature.
- D 1849 - Package Stability of Paint.
- D 2243 - Freeze-Thaw Resistance of Water-Borne Coatings.
- D 3273 - Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber.
- D 3274 - Evaluating Degree of surface Disfigurement of Paint Films by Microbial (Fungal or Algal) Growth or Soil and Dirt Accumulation.
- D 3359 - Measuring Adhesion by Tape Test.
- D 3960 - Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings.

7.5 Source of Documents.

7.5.1 If there is a need to see paragraph 23.403 of the FAR, contact the contracting officer for a copy.

7.5.2 Copies of ASTM specifications and standards may be obtained from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

7.5.3 Copies of Federal Specifications and Standards may be obtained from the Federal Supply Service Bureau, Specification Section, Suite 8100, 470 East L'Enfant Plaza, SW, Washington, DC 20407.

MILITARY INTERESTS:

Military Coordinating Activity

Army - MR

military review interest

Navy - YD

**CIVIL AGENCY
COORDINATING ACTIVITIES**

- GSA - FSS
- USDA - Forest Service
- HUD - HSRS
- VA - OSS

Preparing Activity:

GSA - FSS