

COMMERCIAL ITEM DESCRIPTION

PAINT, LATEX (FLAT, INTERIOR)

The General Services Administration has authorized the use of this commercial item description.

This description covers 5 types of flat latex paint for interior use as follows:

- Type I - High hiding white suitable for tinting to pastel shades
- Type II - Ready mixed colors
- Type III - Medium shade tint base
- Type IV - Deep tone tint base
- Type V - Ultra deep tone tint base

Salient characteristics

Unless otherwise specified, types I, III, IV, and V shall be compatible with tinting media conforming to Federal Specification TT-T-390.

The container shall not be corroded and the paint shall be free from biological growth or putrid odor. The paint shall be easily redispersed by hand stirring to a uniform condition free from persistent foam (ASTM D 2931, par 7.1).

The paint shall brush, roll, and spray easily and shall dry to a smooth, uniform film free from pinholes, craters, dusting, sagging, or excessive brush marks (ASTM D 2931, par 8.1).

Color. The ready-mixed paint shall match the specified color (ASTM D 1729).1/

Odor. The odor of the paint in the can and during application shall not be irritating. There shall be no residual odor after 24 hours air drying (ASTM D 1296).

Fungus resistance. The paint shall have a surface disfigurement rating of 8 or greater (ASTM D 3273).

Alkali resistance. The paint shall not blister or emulsify when exposed for 4 hours to 0.5 percent NaOH. After 24 hours recovery, the film shall show no change in color or gloss (ASTM D 1308, par 6.2).2/

<u>Quantitative requirements</u>	<u>Limits</u>	<u>ASTM reference</u>
Consistency, KU	90 - 105	D 562
Fineness of dispersion	3 min	D 1210
Dry hard, hours	1 max	D 1640
85° gloss [76 um (0.003 inch) wet film thickness air dried 48 hours]	8 max	D 523
Scrub resistance, cycles	250 min	D 2486
Washability characteristics 3/		D 3450
Reflectance, percent of initial	95 min	E 97
85° gloss (after washing)	20 max	D 523
Freeze-thaw resistance, consistency change, KU	5 max	D 2243
Volatile organic content, grams per liter (lb/gal)	250 max (2.1)	D 3960
Lead content, percent of nonvolatile	0.06 max	D 3335
Reflectance (Type I only)	90 min	E 97
Titanium dioxide, kg/L (lb/gal)		Type III or IV of D 476
Medium shade tint base	0.22 min (1.8)	
Deep tone tint base	0.10 min (0.8)	
Ultra deep tone tint base	0.03 min (0.25)	
Contrast ratio [Types I and II at 15.5 m ² /L (630 ft ² /gal)]		D 2805
<u>Reflectance</u>	<u>Dry</u>	<u>Rewet 4/</u>
80 and above	0.95 min	0.93 min
79 - 76	0.96 min	0.94 min
75 - 72	0.97 min	0.95 min
71 - 68	0.98 min	0.96 min
67 - 61	0.99 min	0.97 min
60 and lower	1.00 min	0.98 min
Dry minus rewet contrast ratio	0.02 max	

The issues of the ASTM standards in effect on the date of the solicitation shall be used to determine compliance with these requirements.

Regulatory requirements. The offeror/contractor is encouraged to use recovered materials in accordance with Public Law 94-580 to the maximum extent practicable.

Preservation, packaging, packing, labeling, and marking. The preservation, packaging, packing, labeling, and marking shall be as specified in the contract or order.

NOTES: ASTM standards are available from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.

THE COMMERCIAL ITEM CERTIFICATION CLAUSE IS NOT REQUIRED WHEN THIS COMMERCIAL ITEM DESCRIPTION IS USED FOR PROCUREMENT.

- 1/ Color shall be matched at complete hiding.
- 2/ A panel prepared and dried as in ASTM D 2486 shall be used for test.
- 3/ A soiling medium consisting of 35 grams raw umber (ASTM D 763), 6 grams USP petrolatum album, and 40 ml odorless mineral spirits (ASTM D 235, Type III); and the abrasive wash medium shall be used.
- 4/ Rewet the charts or panels used in the dry contrast ratio determination with a 25.4 um (0.001 inch) thickness of USP heavy mineral oil.

MILITARY INTERESTS:

Custodian

Air Force - 99

Review Activity

Army - MD
Air Force - 84

User Activities

Navy - SH, YD

CIVIL AGENCY COORDINATING ACTIVITIES:

COMMERCE - NBS
VA - OSS
GSA - FSS

PREPARING ACTIVITY:

GSA-FSS