

A-A-2247
June 27, 1984

COMMERCIAL ITEM DESCRIPTION
PAINT, LATEX (SEMI-GLOSS, INTERIOR)

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

This description covers 5 types of semi-gloss 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 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]

Quantitative requirements	Limits	ASTM reference
Consistency, KU	75-90	D 562
Fineness of dispersion	5 min	D 1210
Drying time, set to touch, minutes	10 min	D 1640
Dry hard, hours	8 max	D 1640
60 degree gloss [76 um (0.003 inch) wet film		

thickness air dried 168 hours]	40-60	D 523
Scrub resistance, cycles	500 min	D 2486
Washability characteristics (using non-abrasive wash medium)		D 3450
Reflectance, percent of initial	90 min	E 97
60 degree gloss, percent of initial	70 min	D 523
Freeze-thaw resistance, consistency change, KU	5 max	D 2243
Leveling index	5 min	D 2801
Volatile organic content, grams per liter (lb/gal)	250 max (2.1)	D 3960
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)	
Lead content, percent of nonvolatile	0.06 max	D 3335
Contrast ratio [Types I and II at 11.0 mÅ²Ù/L (450 ftÅ²Ù/gal)]		D 2805

Reflectance

80 and above	0.95 min
79 - 76	0.96 min
75 - 72	0.97 min
71 - 68	0.98 min
67 - 61	0.99 min
60 and lower	1.00 min

FSC 8010

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.

MILITARY INTERESTS:

Custodian

Air Force - 99

Review Activity

Army - MD
Air Force - 84

User Activities

Navy - SH, YD

CIVIL AGENCY COORDINATION ACTIVITIES:

COMMERCE - NBS
VA - OSS
GSA - FSS

PREPARING ACTIVITY:

GSA - FSS