[METRIC]
A-A-3058
October 30, 1996
Superseding
TT-P-26C
June 26, 1973

COMMERCIAL ITEM DESCRIPTION

PAINT, INTERIOR, FIRE RETARDANT

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

1. **SCOPE.** This commercial item description describes an interior, waterborne, Uniform Building Code (UBC) Class I, fire retardant paint. This paint can be applied by brush, spray, or roller.

2. **SALIENT CHARACTERISTICS.**

2.1 **General requirements.**

2.1.2 **Prohibited materials.** The manufacturer shall ensure that no antimony, mercury, cadmium, chromium, halogenated compounds, hydrolyzable halogen derivatives, Hazardous Air Pollutants (HAPS), or Ozone Depleting Substances (ODSs) are used in the formulation. If any of these substances are present as an impurity in a raw ingredient, its concentration shall be less than 0.1 percent by weight. The lead content of the nonvolatile portion of the coating shall not exceed 0.06 percent.

2.1.2 **Condition in container.** The paint 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 **Color.** The color shall be as specified in the contract or purchase order (see 6.2).

2.3 **Quantitative requirements.** The paint shall meet the quantitative requirements specified in 2.3.1 and table I.

2.3.1 **Scrubability.** After 500 scrub cycles, the paint shall not be removed to the extent that the panel shows through, when tested as specified in D 2486. The scrub cycle rate shall be 38 to 40 cycles per minute and the holder weight shall be 0.45 kg (1 lb).

3. **REGULATORY REQUIREMENTS.**

3.1 **Recovered materials.** 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 (10FTE), 400 15th St. SW, Auburn, WA. 98001.

TABLE I Quantitative Requirements.

Property	Requirement	ASTM Method
Volume solids, percent, min.	34	
Prohibited materials		
Lead content, wt. percent of nonvolatile, max	0.06	4/
Other prohibited materials listed in 2.1.2, wt. Percent, max	0.1	4/
Viscosity, K.U.	80-95	D 562
Flash point, °C (°F), min.	60 °C (140 °F)	D 56
Drying time, hours		
Set to touch, within	4	D 1640
Dry to recoat, within	18	D 1640 1/
Fungus resistance, min.	8	D 3273, D 3274
Volatile Organic Compound (VOC) content (less water and exempt solvents), g/L (lb/gal), max	240 (2.0)	D 3960 2/
Freeze-thaw resistance, three cycles.		
Difference from the control specimen	None	D 2243
Maximum viscosity difference, K.U.	8	D 2243 and D 562
Adhesion	5B	D 3359 1/, 3/
Color difference from FED-STD-595 color number, ΔE	1.75 max.	D 2244
Flame spread index, max	25	E 84 1/
Smoke generation value, max.	50	E 84 1/
Odor	Not obnoxious	D 1296
Package stability of paint		D 1849 and Note 2
Viscosity after storage, K.U.	80-100	D 1849 and D 562
Rigidity after storage	10	D 1849 and D 869

1/ The fire retardant paint shall be applied to a substrate made of nominal 18 mm (23/32 inch), select grade, read oak flooring in accordance with the appendix section dealing with Coating Materials of ASTM E 84. The dry film thickness shall be that recommended by the manufacturer. Comparison of the fire retardant paint shall be as specified in the appendix section of E 84.

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

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

4/ For referee purposes only. Lead content shall be measured using X-Ray fluorescence, antimony content by ASTM D 3717, cadmium content by ASTM D 3335, chromium content by ASTM D 3718, and mercury content by ASTM D 3624. Organic solvents shall be identified using FED-STD-141 methods 7356 and 7375.

3.2 **Hazardous Materials.** The paint shall not contain any substance listed in the following Code of Federal Regulations as a hazardous air pollutant, toxic pollutants, or ozone depleting substance:

a. 40 CFR part 61.
b. 40 CFR part 401
c. 40 CFR part 82

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

4. QUALITY ASSURANCE PROVISIONS.

4.1 **Product conformance.** The contractor shall maintain substantiating evidence that the product offered meet 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 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 under 3.3 and 3.4 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 **Intended Use.** This paint is intended to be used on interior walls, ceiling, and woodwork, where it is necessary to reduce the surface burning characteristics of exposed materials of construction. This material meets the requirements of the Uniform Building Code (UBC) Class I, fire retardant coating. Paint, meeting this CID, may be used with a primer and clear topcoat. However, for the system to maintain its Class I fire retardancy rating, the applied system must have a maximum flame spread index of 25.

6.2 **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) The color required.
(c) Quantity and size of the container required.
(d) Address to whom MSDSs should be sent.
(e) Packaging, packing, and marking required.

6.2.1 **Evaluation of bids.** Since the flame-spread rating is determined at the dry film thickness recommended by the paint manufacturer, procurement officers shall evaluate bids by the cost of paint per square foot at the dry film thickness recommended by the manufacturer.

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

{ EMBED Charisma }

6.4 **Referenced documents.**

Federal Standards:

FED-STD-141 - Paint, Varnish, Lacquer and Related Materials: Methods of Inspection, Sampling Testing.
FED-STD-313 - Material Safety Data, Transportation Data and Disposal Data for Hazardous Materials furnished to Government Activities.

ASTM Standards:

D 56 - Flash point by Tag Closed Tester.
D 562 - Consistency of Paints Using the Stormer Viscometer.
D 869 - Evaluating Degree of Settling of Paint.
D 1296 - Odor of Volatile Solvents and Diluents.
D 1360 - Fire Retardancy of Paints (Cabinet Method).
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 2244 - Calculation of Color Difference from Instrumentally Measured Color Coordinates.
D 2486 - Scrub resistance of Interior Latex Flat Wall Paints.
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 3335 - Low Concentrations of Lead, Cadmium, and Cobalt in Paint by Atomic Absorption Spectroscopy.
D 3359 - Measuring Adhesion by Tape Test.
D 3450 - Washability Properties of Interior Architectural Coatings.
D 3624 - Low Concentrations of Mercury in Paint by Atomic Absorption Spectroscopy.
D 3717 - Low Concentrations of Antimony in Paint by Atomic Absorption Spectroscopy.
D 3718 - Low Concentrations of Chromium in Paint by Atomic Absorption Spectroscopy.
D 3960 - Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings.
E 84 - Surface Burning Characteristics of Building Materials.

International Conference of Building Officials Standards:

Uniform Building Code, Volume I.

6.5 **Source of Documents.**

6.5.1 Contact the contracting officer for a copy of paragraph 23.403 of the FAR,

6.5.2 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.

6.5.3 Copies of Method 2011 of FED-STD-141 and color standards may be obtained from the Federal Supply Service Bureau, Specification Section, Suite 8100, 470 East L'Enfant Plaza, SW, Washington, DC 20407.

6.5.4 Contact the contracting officer for copies of the appropriate paragraphs in 29 and 40 CFR.

6.5.5 Copies of the Uniform Building Code (UBC) may be obtained from the International Conference of Building Officials (ICBO), 5360 Workman Mill Road, Whittier, CA 90601.

MILITARY INTERESTS:

Custodian
Army - MR
Navy - SH
Air Force - 99

Review Activities
Army - MR
Air Force - 84

User Activities
Army - MR
Navy - SA, YD, MC

CIVIL AGENCY COORDINATING ACTIVITY:
GSA-FSS

Preparing Activity:
GSA-FSS