

[METRIC]  
A-A-2886  
September 20, 1994

## COMMERCIAL ITEM DESCRIPTION

### PAINT, TRAFFIC, SOLVENT BASED

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

#### 1. SCOPE

This Commercial Item Description covers a solvent based, traffic paint suitable for application to traffic bearing surfaces such as Portland cement, concrete, bituminous pavement, and plain or vitrified brick surfaces of streets, highways, bridges, tunnels, runways and parking lots.

#### 2. CLASSIFICATION

2.1 Types. The paint shall be furnished in the following types as specified (see 7.3)

Type I - Standard Dry - 30 minutes no pick up

Type II - Fast Dry - 10 minutes no pick up

2.2 Color. Traffic paint shall be furnished in white, yellow, flat black and any Federal Standard 595 color, as specified (see 7.3 and 7.4))

#### 3. SALIENT CHARACTERISTICS

TABLE I QUANTITATIVE REQUIREMENTS

Characteristic	Minimum	Maximum	Test
Drying time, no pick up, minutes			ASTM D 711
Type I	—	30	
Type II	—	10	
Consistency, Krebs Units (K.U.)	70	85	ASTM D 562
Nonvolatile Vehicle, % by wt	31	—	Fed Test Method Std 141, # 4051
Total solids % by volume	43	—	ASTM D 2697
% by wt	68	—	ASTM D 2369
Color, $\Delta E^*$ , CIELAB units from standard	—	6.0	E 97 <sup>1</sup>
Pigment % wt of solids	50	60	ASTM D 3723
Accelerated Weathering	footnote 2	footnote 2	ASTM G 53 <sup>2</sup>
Dry Opacity, 0.127mm (5 mils) wet,			Fed Test Method Std 141, # 4121 Proc B, Method A
White and colors	0.92	—	
Black	1.00	—	
Directional Reflectance (white only)	85	—	ASTM E 97
Flexibility, 0.127mm (5 mils) wet, 18 hrs air dry, 2 hrs @ 50°C, 6mm (1/4") rod	no crack, flake, loss of adhesion	—	ASTM D 522
Water Resistance, 0.38mm (15 mils) wet, glass plate, 72 hrs air dry, 18 hrs water immersion	no change in appearance	—	ASTM D 1308
Bleeding ratio, asphalt substrate	0.80	—	ASTM D 969

<sup>1</sup> 0.38 mm wet film thickness. Test not required for white

<sup>2</sup> 0.38 mm wet film thickness. 4 h UV/4 h CON, 300 hrs total, then test for color requirement as above. For white, retest for directional reflectance as above.

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

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**3.1 Materials.** The selection of materials is left to the discretion of the manufacturer, provided the formulated product meets the requirements of this description.

**3.2 Prohibited Materials.** The manufacturer shall certify that the product does not contain mercury, lead, hexavalent chromium, halogenated solvents, nor any carcinogen, as defined in 29 CFR 1910.1200.

**3.3 Condition in container.** The paint, shall not show excessive settling in a freshly-opened full can, and shall be easily redispersed with a paddle to a smooth homogeneous state. The paint shall show no curdling, livering, caking, lumps, skins, or color separation.

## **4. REGULATORY REQUIREMENTS**

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

## **5. QUALITY ASSURANCE PROVISIONS.**

**5.1 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. In case of conflict regarding conformance, the requirements in this document shall prevail. 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 Criteria.** In order to ensure serviceability, reliability and quality of materials, the offeror must have been supplying traffic paint for at least 3 years commercially and be able to document annual sales in traffic paint to federal, state or local governments of at least \$1 million.

## **6. PACKAGING**

The packaging and packing shall be as specified in the contract or order.

## **7. NOTES**

**7.1 Addresses for obtaining copies of referenced documents.**

ASTM standards are available from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103. The issue of the ASTM test methods in effect on the date of the solicitation shall be used to determine compliance with these requirements.

The Code of Federal Regulations (CFR) are for sale on a subscription basis by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

Federal Standards and Specifications are available from Federal Supply Service Bureau, Specification Section, Suite 8100, 470 East L'Enfant Plaza SW, Washington, DC 20407

**7.2 Intended Use.** Type I, standard dry paint, is intended for small jobs such as parking lots where the paint may be applied by brush, roller or conventional sprayer. Type II, fast dry paint, is intended for striping roads or airfields. The recommended application thickness is 0.38mm (15 mils) wet. For reflectorization, glass beads may be spread on wet paint immediately after application. Water based products are recommended for fresh asphalt since solvent based products tend to bleed.

**7.3 Ordering data. Purchasers should select the preferred options below and include this in procurement documents:**

- a) Title and date of this Commercial Item Description
- b) Type required (See 2.1 and 7.2)
- c) Color required (See 2.2 and 7.4)
- d) Size of container required

**7.4 Colors. The most common colors and the Fed. Std. 595 reference number are:**

Yellow 33538    Green 34108    Black 37038  
Blue 35180    Red 31136    White 37925

**7.5 The following companies have indicated to GSA that they meet the Market Acceptability Criteria:**

Griggs Paint, Phoenix AZ:  
Pervo Paint Company, Los Angeles, CA:  
Safety Coatings, inc., Foiey, AL:

CUSTODIAN: 99  
REVIEWER: 84

PREPARING ACTIVITY  
GSA-FSS