

**[METRIC]  
A-A-2886A  
May 1, 1997  
SUPERSEDING  
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
- Type III - Premixed ReflectORIZED, Standard Dry<sup>1</sup>

<sup>1</sup> Type III shall be tested for conformance to type I of this commercial item description prior to addition of the glass beads.

#### **3. SALIENT CHARACTERISTICS**

**3.1 Materials.** The selection of materials is left to the discretion of the manufacturer, provided the formulated product meets the requirement of this description. Type III shall contain glass spheres of a low-index of refraction conforming to TT-B-1325, type I, gradation B, in the proportion of 5 pounds of glass spheres per gallon of paint.

**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.** For a minimum of one year from the date of manufacture, the paint shall meet each of the following conditions:

- a) not show excessive settling in a freshly opened full can
- b) show no curdling, livering, caking, lumps, skins, or color separation
- c) be easily redispersed when mixed with a paddle
- d) be easily redispersed after 5 minutes of mechanical shaking using a standard commercial paint shaker

**3.4 Flexibility.** When tested in accordance with ASTM D 522, the paint shall bend around a 6 mm (1/4 inch) mandrel without cracking, flaking, or loss of adhesion. The panels shall be tin, coated with a wet film thickness of 0.127 mm (5 mils), allowed to air dry for 18 hours, then baked for 2 hours at 50°C and allowed to cool to room temperature before performing the test.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to: Paints and Chemicals Center 400 15th St. SW (10FTE) Auburn, WA 98001.

A-A-2886A

**3.5 Water Resistance.** When immersed in water for 18 hours in accordance with ASTM D 1308, the paint shall have no change in appearance. The panels shall be glass, coated with a wet film thickness of 0.38 mm (15 mils) and allowed to dry for 72 hours.

**3.6 Accelerated Weathering.** When tested in accordance with ASTM G53, the coating shall still meet the above color requirement or directional reflectance. The film thickness shall be 0.38 mm (15 mils) wet, and the test shall be run at 4 hours ultraviolet exposure, followed by 4 hours condensation, for a total of 300 hours.

**TABLE I**  
**QUANTITATIVE REQUIREMENTS**

Characteristic	Minimum	Maximum	Test
Drying time, no pick up, minutes			ASTM D 711
Type I and Type III	—	30	
Type II	—	10	
Consistency, Krebs Units (KU)	70	85	ASTM D 562
Total solids % by volume	43	—	ASTM D 2697
% by weight	68	—	ASTM D 2369
Color, $\Delta E^*$ , CIELAB units from standard	—	6.0	ASTM E 97 <sup>1</sup>
Directional Reflectance (White only)	85	—	ASTM E 97
Dry Opacity, 0.127mm (5 mils) wet			FED-STD-141
White and colors	0.92	—	Method #4121
Black	1.00	—	Proc. B, Method A
Bleeding ratio, asphalt substrate	0.90	—	ASTM D 969

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

#### 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 Product Conformance.** The products provided shall meet the salient characteristics of this commercial item description, conform to the producer's own drawings, specifications, standards, and quality assurance practices and be the same product offered for sale in the commercial market. The government reserves the right to require proof of such conformance.

**5.2 Market Acceptability Criteria.** In order to ensure market acceptability, 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. The offeror must be able to document that total value of returns, replacements and allowances for traffic paint during the last 3 year period did not exceed 1% of gross sales.

#### 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.**

A-A-2886A

7.1.1 ASTM standards are available from the American Society for Testing and Materials, 100 Barr Harbor Dr., West Conshohocken, PA 19428-2959. The issue of the ASTM test method in effect on the date of the solicitation shall be used to determine compliance with these requirements.

7.1.2 The Code of Federal Regulations (CFR) is available mail order from the Superintendent of Documents, ATTN: New Order, PO Box 371954, Pittsburgh, PA 15250-7954. When indicated, reprints of certain regulations may be obtained from the federal agency responsible for issuance thereof. Charge orders may be telephoned to the Government Printing Office order desk at (202) 512-1800.

7.1.3 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.** Types I and III, standard dry paints, are 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. While type III already includes glass beads, more beads may be spread on top immediately after application to provide a higher level of reflectance. The beads already in the type III may be obscured initially after application, and will take some wear for the paint to be rubbed off of the top of the beads to provide even more reflectance. Water based products are recommended for fresh asphalt since solvent based products tend to bleed.

7.3 **Colors.** The most common colors and the FED-STD-595B reference numbers are:

Yellow 33538

Green 34108

Black 37038

Blue 35180

Red 31136

White 37925

7.4 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., Foley, AL

7.5 **Part Identification Number (PIN).** The following part identification numbering procedure is for government purposes and does not constitute a requirement for the contractor. The PIN used for units acquired to this description will be assigned as follows:

AA2886 - X - XXXXX

FED-STD-595 color number

Size: Q = 1 quart pail

G = 1 gallon pail

P = 5 gallon pail

D = 55 gallon drum

Commercial Item Description Number

**MILITARY INTEREST:****PREPARING ACTIVITY  
GSA-FSS****CUSTODIAN:**

AIR FORCE - 99

**REVIEWER:**

AIR FORCE - 84