



RAE Products & Chemicals Corporation

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Federal Spec. A-A-2886(B)

PAINT, TRAFFIC, SOLVENT BASED

Revision date: October 19th, 2004

Replaces: Federal Spec. A-A-2286 (found here)

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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 Dry¹

¹Type 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 requirements of this description. Type III shall contain glass spheres of a low-index 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 re-dispersed when mixed with a paddle
- d) be easily re-dispersed 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.

3.5 **Water Resistance.** When immersed in water for 18 hours in accordance with ASTM 1306, the paint shall have no change in appearance. The panels shall be glass, coated with a wet film thickness of 0.38 (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 (15 mils) wet, and the test shall be run at 4 hours condensation, for a total of 300 hours.

Beneficial comments, recommendations, additions, deletions, clarification's, etc. and any data which may improve this document should be sent to: Heartland Global Supply Center, Engineering and Commodity Management Division, GSA/FSS/6FLEE, 1500 E. Bannister Rd, Bldg #6, Kansas City, Missouri 64131.

TABLE I QUANTITATIVE REQUIREMENTS

Characteristic	Minimum	Maximum	Test
Drying time, no pick up, minutes Type I and Type II Type III	--- ---	30 10	ASTM D 711
Consistency, Krebs Units (K.U.)	70	85	ASTM D 562
Total solids % by volume	43	---	ASTM D 2697
% by weight	68	---	ASTM D 2369
Color, ΔE^*_{ab} , CIELAB units from standard	---	6.0	E 97 ¹
Directional Reflectance (white only)	85	---	ASTM E 97
Dry Opacity, 0.127mm (5 mils) wet, White and colors Black	0.92 1.00	---	Fed Test Method Std 141, # 4121 Proc B, Method A
Bleeding ratio, asphalt substrate	0.90	---	ASTM D 969

¹ 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 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 the 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.

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 issues 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 by 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 of 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 B100, 470 East L’Enfant Plaza SW, Washington, DC 20407*.

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7.2. **Intended Use.** Purchasers should include the following information in procurement documents:

- a) Title, number, and date of this Commercial Item Description
- b) Type, Class, Grade and color required (see 7.1)
- c) Packaging, packing, and marking required.
- d) Size of container and quantity required.

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

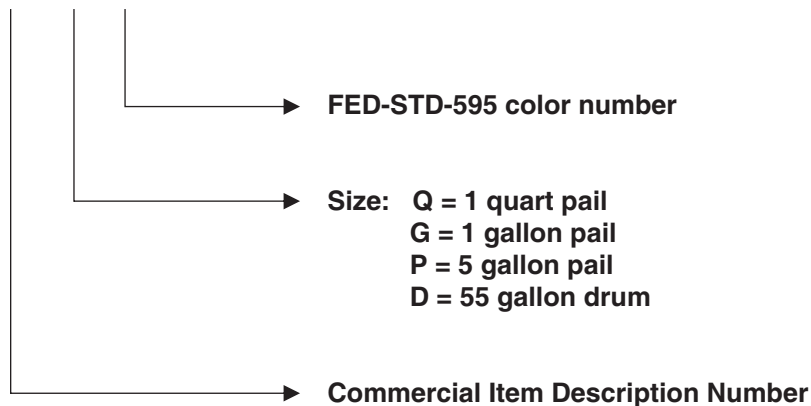
Yellow 33538	Green 34108	Black 37038
Blue 35180	Red 31138	White 37925

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



MILITARY INTEREST

CUSTODIAN:
AIR FORCE - 99
REVIEWER:
AIR FORCE - 84

Preparing Activity:
GSA-FSS
FSC 8010