

METRIC

A-A-3130A  
June 13, 2003  
A-A-3130  
April 21, 1998

## COMMERCIAL ITEM DESCRIPTION

### PAINT (FOR APPLICATION TO WET SURFACES)

The General Services Administration has authorized the use of this Commercial Item Description (CID) for all federal agencies.

1. SCOPE. This commercial item description covers a liquid paint for application to an abrasive-blasted, steel surface, which is wet with condensation or flowing water, at the time of application. The paints designed for long-term corrosion protection of the steel in the condensing or immersion environment.

2. CLASSIFICATION. This paint will be of the following sizes, as specified (see 6.2).

Size P – Pint

Size Q – Quart

Size G – Gallon

Size C – Five gallon

### 3. SALIENT CHARACTERISTICS

#### 3.1 General Requirements.

3.1.1 Condition in Container. The paint, as received, shall be ready-to-use and shall show no evidence of biological growth, livering, skinning, putrefaction, corrosion of the container, or hard settling of the pigment. Any settled pigment shall be dispersible by heavy-duty mechanical mixer to a smooth uniform condition (FED-STD-141, Method 3011).

Beneficial comments, recommendations, additions, deletions, clarifications etc., and any other data which may improve this document should be sent to: ENGINEER RESEARCH AND DEVELOPMENT CENTER, CORPS OF ENGINEERS, U.S. ARMY TOPOGRAPHIC ENGINEERING CENTER, ATTN CEERD-TS, 7701 TELEGRAPH ROAD, ALEXANDRIA, VA 22315-3864.

AMSC N/A

FSC 8010

Distribution Statement A. Approved for public release; distribution is unlimited.

## A-A-3130A

3.1.2 Application Properties. The spray application shall result in a coating of uniform thickness. Pinholes and holidays shall be minimal and shall not extend to the substrate. The roller-applied coating shall be easily applied without need for excessive backrolling to produce adhesion to the substrate or previous coat. The coating shall not disperse into the water or produce excessive floating. After cure the applied coating shall be free of runs, sags, voids or other defects.

3.1.3 Cure. After the final coat has cured 24 hours, the coating shall have a minimum completeness of cure rating of 3 when tested according to ASTM D 4752.

3.2 Performance. Panels shall be prepared in accordance with 3.2.1. After the 28-day immersion in room temperature tap water, all panels shall be removed and evaluated for evidence of poor performance. The coating shall have a blister rating of 10 when tested according to ASTM D 714. The coating shall have a rust rating of 10 when evaluated according to ASTM D 610. The evaluation shall exclude rust associated with edges and the score on each panel. The coating shall have an adhesion rating of 4A or greater when evaluated according to ASTM D 3359, Method A. The coating shall be probed with a sharp knife along the score. Evidence of decreased adhesion to the substrate or poor intercoat adhesion extending farther than 2 mm from the scribes shall be considered failure of the coating.

3.2.1 Test Panel Preparation. Paint for testing shall be applied to steel test panels that are grit-blasted to meet the SSPC SP 5 surface preparation grade and have an anchor profile of 40 to 60 microns as tested by ASTM D 4417, Method C. Duplicate panels shall be laid in a pan of water that covers the panels to a minimum depth of 2.5 cm. In this position the panels shall be coated using a paint roller. Another duplicate set of panels shall be removed from water immersion, placed in a horizontal position, squeezed, and coated while still wet using airless spray. Manufacturer's published guidance on mixing, thinning, induction time, and recoat time shall be followed. Application shall be evaluated as required below. Immediately after application, all panels shall be immersed vertically in distilled water maintained at 15 degrees C and allowed to cure. Coating thickness shall be applied in the shortest recoat time recommended by the manufacturer and in the same manner as the initial coat. After the final coat has cured 24 hours, each panel shall be tested for completeness of cure, scribed with a 7-cm diagonal line to the substrate, and immersed for 28 days.

3.3 Color. The color shall be a visual match to the color specified in the contract or purchase order.

3.4 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 products provided shall meet the salient characteristics of this Commercial Item Description, conform to the producer's own specifications, standards and quality assurance practices, and are the same products offered for sale in the commercial marketplace. The Government reserves the right to require proof of such conformance.

## A-A-3130A

4.2 Market acceptability. The table offered shall be the latest model of the standard product of the supplier and shall have been used in the field for at least one year by the commercial organizations.

4.3 Examinations. Each table examined, shall be examined for compliance with the requirements specified in 3.1 through 3.4. Each element of inspection shall encompass all visual and functional examinations. Nonconformance to any specified requirement or the presence of one or more defects, lessening required efficiency, shall constitute cause for rejection. Any redesign or modification following failure to meet the specified requirements shall receive particular attention for adequacy and suitability.

## 5 PACKAGING

5.1 Preservation, packing, and marking shall be as specified in the contract or order.

## 6 NOTES

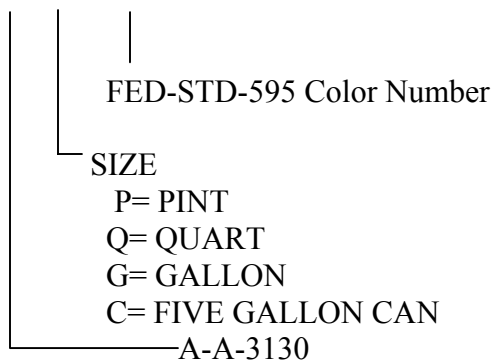
6.1 Intended Use. The paint is intended for application over abrasive-blasted, wet, steel surfaces. It is also intended for protection of steel surfaces in condensing or water immersion surfaces.

6.2 Ordering data. Procurement documents should specify the following:

- a. Title, number, and date of this CID.
- b. Quantity and size of the container required (see 2.).
- c. Color required (see 3.3).
- d. The address to whom the MSDS should be sent (see 3.4).
- e. Packaging, packing and marking required (see 5.1).

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.

AA3130-P-37037



A-A-3130A

6.4 Reference Documents.

Federal Standards:

FED-STD-595 – Colors Used in Government Procurement.

FED-STD-141 – Paint, Varnish, Lacquer and Related Materials: Methods of inspection, sampling and testing.

FED-STD-313 – Material Safety Data, Transportation Data and Disposal Data for Hazardous Materials Furnished to Government Activities.

ASTM Standards:

D 610 – Method for Evaluating Degree of Rusting on painted steel surfaces.

D 714 – Method for Evaluating Degree of Blistering of paints.

D 3359 – Test Methods for Measuring Adhesion by Tape Test.

D 4417 – Test Method Field Measurement of Surface Profile of Blast Cleaned Steel.

D 4752 – test Method for Measuring MEK Resistance of Ethyl Silicate (Inorganic) Zinc-Rich Primers by Solvent Rub.

Steel Structures Painting Council

SSPC SP 5 – White Metal Blast Cleaning.

6.5 Source of Documents.

6.5.1 Contact the contracting officer for a copy of paragraph 23,403 of the FAR, and the appropriate paragraphs in 29 and 40 CFR.

6.5.2 Copies of Federal Specifications and Standards may be obtained from the Defense Logistics Agency, Defense Automated Printing Service, 700 Robbins Avenue, Bldg. 4D, Philadelphia, PA 19111-5094.

6.5.3 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.

6.5.4 The Steel Structures Painting Council (SSPC) specifications for surface preparation are available from SSPC, 4516 Henry St, Pittsburgh, PA 15213-3728, Website: [www.sspc.org](http://www.sspc.org)

6.6 Products known to meet these requirements.

- |                          |   |
|--------------------------|---|
| a. Interzon 954          | International Paint Inc, 6001 Antoine St., Houston, TX 77091;<br>Phone 713-684-1254, CAGE 0TMZ4             |
| b. Permox 9043 Type I    | The Permite Corporation, 5239 Brer Rabbit Road, Stone Mountain,<br>GA 20083; Phone 404-292-4842, CAGE 0YCP9 |
| c. Alocit Aquacoat 28.15 | The Warfield Co. Inc, 500 Abbott Drive, Broomall, PA 19008;<br>Phone 610-328-9440, CAGE 1T9K6               |

A-A-3130A

Custodian:  
Army – CE3

Preparing activity:  
Army – CE3  
(Project 8010-A190)

Civilian Coordinating Activity:  
GSA-FSS

## STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

### INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7, and send to preparing activity.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

<b>I RECOMMEND A CHANGE:</b>	<b>1. DOCUMENT NUMBER</b> A-A-3130A	<b>2. DOCUMENT DATE (YYYYMMDD)</b> 20030613
<b>3. DOCUMENT TITLE</b> PAINT (FOR APPLICATION TO WET SURFACES)		
<b>4. NATURE OF CHANGE</b> <i>(Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed)</i>		
<b>5. REASON FOR RECOMMENDATION</b>		
<b>6. SUBMITTER</b>		
a. NAME <i>(Last, First, Middle Initial)</i>	b. ORGANIZATION	
c. ADDRESS <i>(Include Zip Code)</i>	d. TELEPHONE <i>(Include Area Code)</i> (1) Commercial  (2) DSN <i>(If applicable)</i>	7. DATE SUBMITTED (YYYYMMDD)
<b>8. PREPARING ACTIVITY</b>		
a. NAME U.S. ARMY TOPOGRAPHIC ENGINEERING CENTER	b. TELEPHONE <i>(Include Area Code)</i> (1) Commercial (2) DSN (703) 428-6862 328-6862	
c. ADDRESS <i>(Include Zip Code)</i> ATTN: CEERD-TS-T 7701 TELEGRAPH ROAD ALEXANDRIA, VA 22315-3864	<b>IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:</b> Defense Standardization Program Office (DLSC-LM) 8725 John J. Kingman Road, Suite 2533 Fort Belvoir, Virginia 22060-6221 Telephone (703) 767-6888 DSN 427-6888	

DD Form 1426, FEB 1999 (EG)

PREVIOUS EDITIONS OBSOLETE