

SSPC: The Society for Protective Coatings

PAINTING SYSTEM NO. 15.04

Chlorinated Rubber Painting System for Field Application over a Shop-Applied Solvent Base Inorganic Zinc-Rich Primer

1. Scope

1.1 This specification covers a field-applied chlorinated rubber painting system for structural steel shop-primed with a solvent base inorganic zinc-rich primer.

1.2 This system is suitable for use on parts or structures exposed in Environmental Zones 1A (interior, normally dry), 1B (exterior, normally dry), 2A (frequently wet by fresh water), 2B (frequently wet by salt water), 3A (chemical exposure, acidic), 3B (chemical exposure, neutral), and 3C (chemical exposure, alkaline).

1.3 The finish paint allows for a choice of colors.

2. Description

2.1 This painting system consists of surface preparation by solvent cleaning, or brush-off blast cleaning, and two coats of a chlorinated rubber finish coat.

3. Referenced Standards

3.1 The latest issue, revision, or amendment of the referenced standards in effect on the date of invitation to bid shall govern, unless otherwise specified.

3.2 If there is a conflict between the requirements of any of the cited referenced standards and this specification, the requirements of this specification shall prevail.

3.3 SSPC STANDARDS AND JOINT STANDARDS:

PA 1	Shop, Field, and Maintenance Painting of Steel
PA 2	Measurement of Dry Coating Thickness With Magnetic Gages
PA Guide 4	Guide to Maintenance Repainting with Oil Base or Alkyd Painting Systems
Paint 18	Chlorinated Rubber Intermediate Coat Paint
Paint 19	Chlorinated Rubber Topcoat Paint
SP 1	Solvent Cleaning
SP 5/NACE No. 1	White Metal Blast Cleaning
SP 7/NACE No. 4	Brush-Off Blast Cleaning
SP 8	Pickling

SP 10/NACE No. 2 Near-White Blast Cleaning

3.4 AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) STANDARD:

D 3925 Standard Practice for Sampling Liquid Paints and Related Pigmented Coatings

4. Surface Preparation

4.1 SSPC-SP 1, "Solvent Cleaning." If present, white rust and zinc oxidation products must be removed by SSPC-SP 7, "Brush-Off Blast Cleaning." If specified in the procurement documents, water blast cleaning with a minimum pressure of 1,000 psi may be used.

5. Paints

5.1 INTERMEDIATE COAT: SSPC-Paint 18, "Chlorinate Rubber Intermediate Coat Paint."

5.2 FINISH COAT: SSPC-Paint 19, "Chlorinated Rubber Topcoat Paint."

6. Paint Application

6.1 PAINT APPLICATION: Follow the requirements of SSPC-PA 1, "Shop, Field, and Maintenance Painting of Steel." Due to the porosity of the zinc primer, a wet mist coat or tack coat should be applied to reduce possible potential bubbling problems.

6.2 FIELD TOUCH-UP PAINTING: In accordance with SSPC-PA 1, "Shop, Field, and Maintenance Painting of Steel," and in particular with the section thereof entitled "Field Painting."

6.3 MAINTENANCE PAINTING: For maintenance painting procedures, see SSPC-PA Guide 4, "Guide to Maintenance Repainting with Oil Base or Alkyd Painting Systems."

6.4 NUMBER OF COATS: Two.

6.5 DRY FILM THICKNESS OF PAINT SYSTEM: Not less than the following as measured in accordance with SSPC-PA 2, "Measurement of Dry Coating Thickness with Magnetic

Gages": intermediate 75 micrometers (3.0 mils); finish coat 38 micrometers (1.5 mils).

7. Inspection

7.1 All work and materials supplied under this specification are subject to timely inspection by the purchaser or his authorized representative. The contractor shall correct such work or replace such material as is found defective under this specification (See Note 9.1.). In case of dispute, unless otherwise specified, the arbitration or settlement procedure established in the procurement documents shall be followed. If no arbitration or settlement procedure is established, then a procedure mutually agreeable to purchaser, material supplier, and contractor shall be used.

7.2 Samples of paints under this painting system may be requested by the purchaser and shall be supplied upon request along with the manufacturer's name and identification for the materials. Samples may be requested at the time the purchase order is placed, or may be taken from unopened containers at the job site.

7.3 Unless otherwise specified, the sampling shall be in accordance with ASTM D 3925.

8. Disclaimer

8.1 While every precaution is taken to ensure that all information furnished in SSPC standards and specifications is as accurate, complete, and useful as possible, SSPC cannot assume responsibility nor incur any obligation resulting from the use of any materials, coatings, or methods specified herein, or of the specification or standard itself.

8.2 This specification does not attempt to address problems concerning safety associated with its use. The user of this specification, as well as the user of all products or practices described herein, is responsible for instituting appropriate health and safety practices and for insuring compliance with all governmental regulations.

9. Note

Notes are not a requirement of this specification.

9.1 The procurement documents should establish the responsibility for samples, testing, and any required affidavit certifying full compliance with the specification.