

SSPC: The Society for Protective Coatings

PAINTING SYSTEM NO. 14.01

Steel Joist Shop Painting System

1. Scope

1.1 This specification covers a one-coat shop joist primer that will provide temporary protection to the steel joists during delivery and erection.

1.2 This system is intended as a one-coat shop paint for open web and long span steel joists that may be either enclosed or exposed in the interiors of buildings (Environmental Zone 1A, interior, normally dry) where the temperature rarely falls below the dew point, where the humidity rarely exceeds 85 percent, and where corrosion protection is not necessary.

2. Description

2.1 This painting system consists of surface preparation by solvent cleaning and one coat of primer.

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. Standards marked with an asterisk (*) are referenced only in the Notes, which are not requirements of this specification.

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.

3.5 SSPC STANDARDS AND JOINT STANDARDS:

Paint 15	Steel Joist Shop Paint
PS Guide 1.00	Guide to Selecting Oil Base Painting Systems
SP 1	Solvent Cleaning

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

D 3925	Standard Practice for Sampling Liquid Paints and Related Pigmented Coatings
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4. Surface Preparation

4.1 Use SSPC-SP 1, "Solvent Cleaning," to remove heavy deposits of oil and grease. Other cleaning shall be done by the method elected by the fabricator.

5. Paints

5.1 PRIMER: SSPC-Paint 15, "Steel Joist Shop Paint."

6. Paint Application

6.1 PAINT APPLICATION: Paint shall be applied in a professional manner by the method used in the fabricator's shop. Paint shall not be applied to wet, frosted, or hot surfaces.

6.1.1 Joists fabricated in the shop shall be primed in the shop unless otherwise specified.

6.1.2 Painted joists shall be allowed to dry before shipment.

6.2 TOUCH-UP PAINTING: Touch-up painting shall be done in the field with either the same paint as the shop coat or any other compatible primer.

6.3 NUMBER OF COATS: One coat shall be required.

6.4 DRY FILM THICKNESS: Not less than 25 micrometers (one mil).

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. Notes

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.

9.2 TOPCOATING: Oil/alkyd type coatings of this system can usually be topcoated without difficulty and are compatible with the finish paints listed in SSPC-PS Guide 1.00, "Guide for Selecting Oil Base Painting Systems." Asphalt coatings will bleed through most paints. If topcoating is anticipated for aesthetic purposes, it is recommended that the appropriate generic type of shop paint be specified.

9.3 This specification was jointly developed by the Steel Joist Institute and SSPC in cooperation with the American Institute of Steel Construction.