

SSPC PAINTING MANUAL

Volume 2 SYSTEMS AND SPECIFICATIONS Eighth Edition

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Preface to Volume 2, 8th Edition

This edition of Volume 2 of the SSPC Painting Manual contains a number of significant changes. There are now eleven chapters instead of eight. The commentaries on surface preparation (SP COM), painting systems (PS COM), and paints (Paint COM) have been updated. Two new commentaries have been added: a paint application commentary (PA COM) in Chapter 7 and a qualification procedures commentary (QP COM) in Chapter 8.

In Chapter 2, SSPC-VIS 2, "Standard Method of Evaluating Degree of Rusting on Painted Steel Surfaces" has undergone a major revision and there is now a joint visual standard SSPC-VIS 4/NACE No. 7, "Visual Reference Photographs for Steel Cleaned by Water Jetting." Minor revisions have been made to four joint surface preparation standards SSPC-SP 5, SP 10, SP 6, and SP 7. Three new joint surface preparation standards are in the eighth edition: SSPC-SP 12/NACE No. 5, "Surface Preparation and Cleaning of Steel and Other Hard Materials by High- and Ultrahigh-Pressure Water Jetting Prior to Recoating," SSPC-SP 13/NACE No. 6, "Surface Preparation of Concrete," and SSPC-SP 14/NACE No. 8, "Industrial Blast Cleaning."

Chapter 3 is comprised of two joint technology reports. SSPC-TR 2/NACE 6G198, "Wet Abrasive Blast Cleaning," is new in the eighth edition.

The three SSPC abrasive specifications comprise Chapter 4. SSPC-AB 2, "Cleanliness of Recycled Ferrous Metallic Abrasives" and SSPC-AB 3, "Newly Manufactured or Re-Manufactured Steel Abrasives" are new in this edition.

Three new documents are in Chapter 5. The thermal spray guide has been replaced by SSPC-CS 23.00(I), "Interim Specification for the Application of Thermal Spray Coatings (Metallizing) of Aluminum, Zinc, and Their Alloys and Composites for the Corrosion Protection of Steel." This has been issued as an interim specification pending formal approval of the other two joint sponsoring organizations, AWS and NACE International. The two other new documents in this chapter are SSPC-PS 26.00, "Aluminum Pigmented Epoxy Painting System Materials Specification, Performance-Based; Type I, for Use over Blast Cleaned Steel; Type II, for Use over Hand Cleaned Steel" and SSPC-PS 27.00, "Alkyd Painting System Materials Specification, Performance-Based."

There are six new or revised paint specifications in Chapter 6. SSPC-Paint 15, "Steel Joist Shop Paint" has been revised to be more performance based. Two new variations of SSPC-Paint 25 have been added: SSPC-Paint 25, "Zinc Oxide, Alkyd, Linseed Oil Primer for Use Over Hand Cleaned Steel" and SSPC-Paint 25 BCS, "Zinc Oxide, Alkyd, Linseed Oil Primer for Use Over Blast Cleaned Steel." The other three new paints in this edition are SSPC-Paint 34, "Water-Borne Epoxy Topcoat for Steel Surfaces," SSPC-Paint 35, "Medium Oil Alkyd Primer (Air Dry/Low Bake)," and SSPC-Paint 36, "Two-Component Weatherable Aliphatic Polyurethane Topcoat, Performance-Based."

Chapter 7 on paint application contains revised versions of SSPC-PA 1, "Shop, Field, and Maintenance Painting of Steel" and SSPC-PA 2, "Measurement of Dry Coating Thickness With Magnetic Gages."

A commentary (QP COM) has been written for Chapter 8, Qualification Procedures. SSPC-QP 1, "Standard Procedure for Evaluating Qualifications of Painting Contractors (Field Application to Complex Industrial Structures)," SSPC-QP 2, "Standard Procedure for the Qualification of Painting Contractors (Field Removal of Hazardous Coatings from Complex Structures) and SSPC-QP 3, "Standard Procedure for Evaluating Qualifications of Shop Painting Applicators" have been revised. Two new qualification procedures are included in the eighth edition: SSPC-QP 4, "Standard Procedure for Evaluating Qualification of Contractors Disturbing Hazardous Paint During Demolition and Repair Work" and SSPC-QP 5, "Standard Procedure for Evaluating Qualifications of Coating and Lining Inspection Companies."

Guides other than painting system guides (PS Guides) or paint application guides (PA Guides) have been grouped together in Chapter 9. Five of the eight guides here are new in this edition of Volume 2: SSPC-Guide 6, "Guide for Containing Debris Generated During Paint Removal Operations," SSPC-Guide 11, "Guide for Coating Concrete," SSPC-Guide 12, "Guide for the Illumination of Industrial Painting Projects," SSPC-Guide 13, "Guide for the Identification and Use of Industrial Coating Material in Computerized Product Databases," and SSPC-Guide 14,