

# SSSPC

## PRODUCTS CATALOG

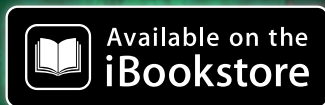
books • standards • dvds • logo wear



Pocket Guide



New Flash Rust Guide



# New Pocket Guide + SSPC Logo Wear

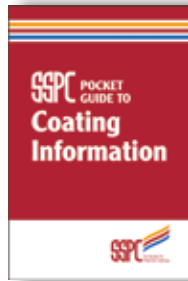
## SSPC Pocket Guide



### The SSPC Pocket Guide to Coating Information - eBook Edition

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### BLACK & WHITE POLO

Short-sleeve polo. Black with white trim and featuring the SSPC logo. You'll look good on the field or at the gym with this sharp, jersey-style polo.

Sizes S, M, L, XL, 2XL, 3XL

Price: \$30.00



### DENIM SHIRT

Long sleeve faded denim oxford featuring the SSPC logo. This rugged work shirt is a perfect fit on the job site.

Sizes S, M, L, XL, 2XL, 3XL

Price: \$27.00

## SSPC Logo Wear

### REAL WOMEN T-SHIRT

Ladies - show your painting pride, just like the guys, by wearing our new Real Women T-shirt.

Heavyweight 100% pre-shrunk cotton tee offers a feminine fit just for the ladies! Also features double-needle stitching, narrower rib neck and tailored sleeves for all day comfort.

Pink, with custom SSPC artwork on the back and SSPC logo on front

Sizes S, M, L, XL  
Price: \$25.00



### OXFORD SHIRT

Long sleeve oxford with the SSPC logo. Wrinkle-free. Look good in the boardroom and support SSPC at the same time.

Colors: English Blue (shown), White, Light Blue.

Sizes S, M, L, XL, 2XL, 3XL

Price: \$28.00



### BALL CAP

Baseball Hat in stone with navy brim. Featuring the SSPC logo. Show your SSPC colors on the golf course or at a ball game.

Price: \$15.00



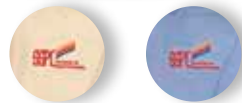
### SOLID COLOR POLO SHIRT

Short Sleeve Polo with new SSPC logo. Appropriate for the office, on the golf course or just around the house.

Colors: Maize (shown), Stone, Dusty Blue.

Sizes S, M, L, XL, 2XL, 3XL

Price: \$25.00



MarketPlace



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# SSPC Painting Manual, Volume 1

## SSPC'S Leading Best sellers!

"Good Painting Practice," SSPC Painting Manual, Volume 1 is an encyclopedic overview of procedures, equipment and materials used for surface preparation and coating work on industrial steel and concrete structures.

"Systems and Specifications," SSPC Painting Manual, Volume 2 is a complete collection of SSPC standards, guides, specifications, and other consensus documents. Together they form the essential works for anyone concerned with the safe and effective use of protective coatings and linings! (see page 4)

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## GOOD PAINTING PRACTICE

### SSPC Painting Manual, Volume 1, 4th Edition

The 4th edition of SSPC's "Good Painting Practice" provides a detailed overview of the procedures, equipment and materials used for surface preparation and coating work on industrial steel and concrete structures. In it you'll find information on a wide range of relevant topics—from the fundamentals of surface preparation and coating application to recent advances in alternate coating removal technologies—to the complexities of painting specific facilities and structures, regulations affecting the coatings industry, strategies for the development of maintenance coating programs, and much more. The most complete, up-to-date book on industrial coating practices around! Available in a 581-page hardcover and on a multi-platform CD-ROM designed to run on Macintosh®, Windows®, and UNIX® operating systems.

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## Here's what you will find inside the 4th edition of Good Painting Practice, SSPC Painting Manual, Volume 1

- Introduction
- Corrosion of Metals
- Designing Steel Structures for Good Painting Performance
- Mechanisms of Corrosion Control by Coatings
- Properties of Generic Coating Types
- Organic Coatings: Composition and Film Formation
- Cathodic Protection of Coated Structures
- Coating Galvanized Steel
- Overview of Steel Surface Preparation
- Hand and Power Tool Cleaning
- Nonmetallic Abrasives
- Metallic Abrasives
- Abrasive Air Blast Cleaning
- Centrifugal Blast Cleaning
- Wet Abrasive Blast and Pressurized Water Cleaning (Waterjetting)
- Other Methods of Surface Preparation
  - Pickling
  - Chemical Stripping
  - Sodium Bicarbonate (Baking Soda) Blast Cleaning
  - Pliant Media Blasting
  - Carbon Dioxide (Dry-Ice) Blasting
  - Electrochemical Stripping
- Solvent and Chemical Pre-Cleaning
- Dehumidification During Coating Operations
- Concrete Surface Preparation
- Surface Preparation of Nonferrous Surfaces
- Coatings for Industrial Steel Structures
- Coatings for Concrete
- Powder Coating
- Thermal-Spray (Metallized) Coatings for Steel
- Application of Industrial Coatings
- Contractor Equipment: An Overview
- Shop Painting of Steel
- Painting Highway Bridges and Structures
- Corrosion Protection of Water and Fuel Tanks
- Linings for Vessels and Tanks
- Painting Chemical Plants
- Painting Waste Treatment Plants
- Painting Petroleum Refineries
- Painting Power Generation Facilities
- Painting Steel Structures in Pulp and Paper Mills
- Painting Hydraulic Structures
- Coatings for Buried and Immersed Metal Pipelines
- Painting Ships
- Inspection
- Safety and Health in the Protective Coatings Industry
- Air Quality Regulations
- Waste Handling and Disposal
- Other Regulations Affecting Protective Coatings
- Total Protective Coatings Programs
- Comparative Painting Costs
- Using Plant Surveys to Maintain Coating Protection of Structures
- Preparing a Specification for a Coating Project
- Maintenance Painting Programs
- Quality Control for Protective Coatings Projects
- Coating Failures
- Index

# SSPC Painting Manual, Volume 2



## SYSTEMS AND SPECIFICATIONS: SSPC Painting Manual, Volume 2, 2011 Edition

A complete, up-to-date collection of SSPC standards, guides, specifications, and other consensus documents. Contains SSPC standards for the cleaning and preparation of steel and concrete surfaces, the selection and application of protective coating systems, the basic composition requirements and performance capabilities of paints and coatings, qualification procedures, and other materials, processes, and technologies

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Guide for Selecting Alkyd Painting Systems
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Guide for Selecting Vinyl Painting Systems
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- **SSPC-PS 4.04**  
Four-Coat White or Colored Vinyl Painting System (For Fresh Water, Chemical, and Corrosive Atmospheres)
- **SSPC-PS Guide 7.00**  
Guide for Selecting One-Coat Shop Painting Systems
- **SSPC-PS 9.01**  
Cold-Applied Asphalt Mastic Painting System with Extra Thick Film
- **SSPC-PS 10.01**  
Hot-Applied Coal Tar Enamel Painting System
- **SSPC-PS 10.02**  
Cold-Applied Coal Tar Mastic Painting System
- **SSPC-PS 11.01**  
Black (or Dark Red) Coal Tar Epoxy Polyamide Painting System
- **SSPC-PS Guide 12.00**  
Guide to Zinc-Rich Coating Systems
- **SSPC-PS 12.01**  
One Coat Zinc-Rich Painting System
- **SSPC-PS 13.01**  
Epoxy Polyamide Painting System
- **SSPC-PS 15.02**  
Chlorinated Rubber Painting System for Fresh Water Immersion
- **SSPC-PS 15.03**  
Chlorinated Rubber Painting System for Marine and Industrial Atmospheres
- **SSPC-PS 15.04**  
Chlorinated Rubber Painting System for Field Application Over a Shop-Applied Solvent Base Inorganic Zinc-Rich Primer
- **SSPC-PS 16.01**  
Silicone Alkyd Painting System for New Steel
- **SSPC-PS Guide 17.00**  
Guide for Selecting Urethane Painting Systems
- **SSPC-PS 18.01**  
Three-Coat Latex Painting System
- **SSPC-PS Guide 19.00**  
Guide for Selecting Painting Systems for Ship Bottoms
- **SSPC-PS Guide 20.00**  
Guide for Selecting Painting Systems for Boot toppings
- **SSPC-PS Guide 21.00**  
Guide for Selecting Painting Systems for Topsides
- **SSPC-PS Guide 22.00**  
Guide for Selecting One-Coat Preconstruction or Prefabrication Painting Systems
- **SSPC-CS Guide 23.00/AWS C2.23M/NACE No. 12**  
Specification for the Application of Thermal Spray Coatings (Metallizing) of Aluminum, Zinc, & Their Alloys/Composites for the Corrosion Protection of Steel
- **SSPC-PS 24.00**  
Latex Painting System for Industrial and Marine Atmospheres, Performance-Based
- **SSPC-PS 26.00**  
Aluminum Pigmented Epoxy Coating System Materials Specification, Performance-Based
- **SSPC-PS 27.00**  
Alkyd Coating System Materials Specification, Performance-Based

Here's what you will find inside the 2008 edition of  
**Systems And Specifications, SSPC Painting Manual, Volume 2**

## How To Use SSPC Standards, Specifications and Guides

### SURFACE PREPARATION STANDARDS, GUIDES, AND SPECIFICATIONS

- **SSPC-SP COM**  
Surface Preparation Commentary for Steel and Concrete Substrates
- **Guide to SSPC-VIS 1**  
Guide and Reference Photographs for Steel Surfaces Prepared by Dry Abrasive Blast Cleaning
- **Guide to SSPC-VIS 2**  
Standard Method of Evaluating Degree of Rusting on Painted Steel Surfaces
- **Guide to SSPC-VIS 3**  
Guide and Reference Photographs for Steel Surfaces Prepared by Power- and Hand-Tool Cleaning
- **Guide to SSPC-VIS 4/NACE VIS 7**  
Guide and Reference Photographs for Steel Surfaces Prepared by Waterjetting
- **Guide to SSPC-VIS 5/NACE VIS 9**  
Guide and Reference Photographs for Steel Surfaces Prepared by Wet Abrasive Blast Cleaning
- **SSPC-SP 1**  
Solvent Cleaning
- **SSPC-SP 2**  
Hand Tool Cleaning
- **SSPC-SP 3**  
Power Tool Cleaning
- **SSPC-SP 5/NACE No. 1**  
White Metal Blast Cleaning
- **SSPC-SP 6/NACE No. 3**  
Commercial Blast Cleaning
- **SSPC-SP 7/NACE No. 4**  
Brush-Off Blast Cleaning
- **SSPC-SP 8**  
Pickling
- **SSPC-SP 10/NACE No. 2**  
Near-White Blast Cleaning
- **SSPC-SP 11**  
Power Tool Cleaning to Bare Metal
- **SSPC-SP 12/NACE No. 5**  
Surface Preparation and Cleaning of Metals by Waterjetting Prior to Recoating
- **SSPC-SP 13/NACE No. 6**  
Surface Preparation of Concrete
- **SSPC-SP 14/NACE No. 8**  
Industrial Blast Cleaning

- **SSPC-SP 15**  
Commercial Grade Power Tool Cleaning
  - **SSPC-SP 16**  
Brush-Off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-Ferrous Metals
- ### SSPC/NACE JOINT TECHNOLOGY REPORTS
- **SSPC-TR 1/NACE 6G194**  
Thermal Pre-Cleaning
  - **SSPC-TR 2/NACE 6G198**  
Wet Abrasive Blast Cleaning
  - **SSPC-TR 3/NACE 6A192**  
Dehumidification and Temperature Control During Surface Preparation, Application, and Curing for Coatings/Linings of Steel Tanks, Vessels, and Other Enclosed Spaces
  - **SSPC-TR 4/NACE 80200**  
Preparation of Protective Coating Specifications for Atmospheric Service
  - **SSPC-TR 5/ICRI Technical Guideline 03741/NACE 02203**  
Design, Installation, and Maintenance of Protective Polymer Flooring for Concrete

### ABRASIVE SPECIFICATIONS

- **SSPC-AB 1**  
Mineral and Slag Abrasives
- **SSPC-AB 2**  
Cleanliness of Recycled Ferrous Metallic Abrasives
- **SSPC-AB 3**  
Ferrous Metallic Abrasive
- **SSPC-AB 4**  
Recyclable Encapsulated Abrasive Media (in a compressible cellular matrix)

### PAINTING AND COATING SYSTEMS GUIDES AND SPECIFICATIONS

- **SSPC-PS COM**  
Commentary on Painting Systems
- **SSPC-PS Guide 1.00**  
Guide for Selecting Oil Base Painting Systems
- **SSPC-PS 1.09**  
Three-Coat Oil Base Zinc Oxide Painting System (Without Lead or Chromate Pigment)
- **SSPC-PS 1.10**  
Four-Coat Oil Base Zinc Oxide Painting System (Without Lead or Chromate Pigment)

# SSPC Painting Manual, Volume 2 (cont'd)

- **SSPC-PS 28.01**  
Two-Coat Zinc-Rich Polyurethane Primer/Aliphatic Polyurea Topcoat System, Performance-Based (new 2009)
- **SSPC-PS 28.02**  
Three-Coat Moisture-Cured Polyurethane Coating System, Performance-Based

## PAINT AND COATING STANDARDS AND SPECIFICATIONS

- **SSPC-Paint COM**  
Commentary on Paint Specifications
- **SSPC-Paint 8**  
Aluminum Vinyl Paint
- **SSPC-Paint 9**  
White (or Colored) Vinyl Paint
- **SSPC-Paint 15**  
Steel Joist Shop Primer/Metal Building Primer
- **SSPC-Paint 16**  
Coal Tar Epoxy-Polyamide Black (or Dark Red) Paint
- **SSPC-Paint 17**  
Chlorinated Rubber Inhibitive Primer
- **SSPC-Paint 18**  
Chlorinated Rubber Intermediate Coat Paint
- **SSPC-Paint 19**  
Chlorinated Rubber Topcoat Paint
- **SSPC-Paint 20**  
Zinc-Rich Coating, Type I - Inorganic and Type II - Organic
- **SSPC-Paint 21**  
White or Colored Silicone Alkyd Paint
- **SSPC-Paint 22**  
Epoxy Polyamide Paints (Primer, Intermediate, and Topcoat)
- **SSPC-Paint 23**  
Latex Primer for Steel Surfaces
- **SSPC-Paint 24**  
Latex Semigloss Exterior Topcoat
- **SSPC-Paint 25**  
Zinc Oxide, Alkyd, Linseed Oil Primer for Use Over Hand Cleaned Steel
- **SSPC-Paint 25BCS**  
Zinc Oxide, Alkyd, Linseed Oil Primer for Use Over Blast Cleaned Steel
- **SSPC-Paint 26**  
Slow-Drying Linseed Oil Black Maintenance Primer (Without Lead or Chromate Pigment)
- **SSPC-Paint 27**  
Basic Zinc Chromate-Vinyl Butyral Wash Primer
- **SSPC-Paint 28**  
Water-Borne Epoxy Primer for Steel Surfaces
- **SSPC-Paint 29**  
Zinc Dust Sacrificial Primer, Performance-Based
- **SSPC-Paint 30**  
Weld-Through Inorganic Zinc Primer
- **SSPC-Paint 31**  
Single-Package Water-Borne Alkyd Primer for Steel Surfaces, Performance-Based
- **SSPC-Paint 32**  
Coal Tar Emulsion Coating
- **SSPC-Paint 33**  
Coal Tar Mastic, Cold Applied
- **SSPC-Paint 34**  
Water-Borne Epoxy Topcoat for Steel Surfaces
- **SSPC-Paint 35**  
Medium Oil Alkyd Primer (Air Dry/Low Bake)
- **SSPC-Paint 36**  
Two-Component Weatherable Aliphatic Polyurethane Topcoat, Performance-Based
- **SSPC-Paint 37**  
Waterborne Epoxy Coating for Cementitious Substrates, Performance-Based
- **SSPC-Paint 38**  
Single-Component Moisture-Cure Weatherable Aliphatic Polyurethane Topcoat, Performance-Based
- **SSPC-Paint 39**  
Two-Component Aliphatic Polyurea Topcoat, Fast or Moderate Drying, Performance-Based
- **SSPC-Paint 40**  
Zinc-Rich Moisture-Cure Polyurethane Primer, Performance-Based
- **SSPC-Paint 41**  
Moisture-Cured Polyurethane Primer or Intermediate Coat, Micaceous Iron Oxide Reinforced, Performance-Based

- **SSPC-Paint 42**  
Epoxy Polyamide/Polyamidoamine Primer, Performance-Based
- **SSPC-Paint 101**  
Aluminum Alkyd Paint
- **SSPC-Paint 102**  
Black Alkyd Paint
- **SSPC-Paint 104**  
White or Tinted Alkyd Paint
- **SSPC-Paint 106**  
Black Vinyl Paint
- **SSPC-Paint 108**  
High-Build Thixotropic Leafing Aluminum Paint

## PAINT APPLICATION STANDARDS, GUIDES, AND SPECIFICATIONS

- **SSPC-PA COM**  
Commentary on Paint Application
- **Monitoring and Controlling Ambient Conditions During Coating Operations**
- **SSPC-PA 1**  
Shop, Field, and Maintenance Painting of Steel
- **SSPC-PA 2**  
Measurement of Dry Coating Thickness with Magnetic Gages
- **SSPC-PA Guide 4**  
Guide to Maintenance Repainting with Oil Base or Alkyd Painting Systems
- **SSPC-PA Guide 5**  
Guide to Maintenance Coating of Steel Structures in Atmospheric Surface
- **SSPC-PA 6/NACE No. 10**  
Fiberglass-Reinforced Plastic (FRP) Linings Applied to Bottoms of Carbon Steel Aboveground Storage Tanks
- **SSPC-PA 7**  
Applying Thin Film Coatings to Concrete
- **SSPC-PA 8/NACE No. 11**  
Thin-Film Organic Linings Applied in New Carbon Steel Process Vessels
- **SSPC-PA 9**  
Measurement of Dry Organic Coating Thickness on Cementitious Substrates Using Ultrasonic Gages
- **SSPC-PA Guide 10**  
Guide to Safety and Health Requirements for Industrial Painting Projects
- **SSPC-PA Guide 11**  
Guide to Methods for Protection of Edges, Crevices, and Irregular Steel Surfaces
- **SSPC-PA Guide 13**  
Guide Specification for Application of Coating Systems With Zinc-Rich Primers to Steel Bridges (new August 2008)

## QUALIFICATION PROCEDURES

- **SSPC-QP COM**  
Commentary on Qualification Procedures
- **SSPC-QP 1**  
Standard Procedure for Evaluating Painting Contractors (Field Application to Complex Industrial Structures)
- **SSPC-QP 2**  
Standard for the Qualification of Painting Contractors (Field Removal of Hazardous Coatings from Industrial/Marine Structures)
- **SSPC-QP 3**  
Standard Procedure for Evaluating Qualifications of Shop Painting Applicators
- **SSPC-QP 4**  
Standard Procedure for Evaluating the Qualifications of Contractors Disturbing Hazardous Coatings During Demolition and Repair Work
- **SSPC-QP 5**  
Standard Procedure for Evaluating the Qualifications of Coating and Lining Inspection Companies
- **SSPC-QP 6**  
Standard Procedure for Evaluating the Qualifications of Contractors Who Apply Thermal Spray (Metallizing) for Corrosion Protection of Steel and Concrete Structures
- **SSPC-QP 7**  
Procedure for Evaluating Painting Contractors with Limited Industrial Work Experience
- **SSPC-QP 8**  
Standard Procedure for Evaluating the Qualifications of Contracting Firms That Install Polymer Coatings and Surfacing on Concrete and Other Cementitious

- Substrates
- **SSPC-QP 9**  
Standard for Evaluating Qualifications of Painting Contractors Who Apply Architectural Paints and Coatings
- **SSPC-QS 1**  
Standard Procedure for Evaluating a Contractor's Advanced Quality Management System
- **SPE/QP 3 420-10**, Certification Standard for Shop Application of Complex Protective Coating Systems (joint standard with AISC)

## TECHNOLOGY GUIDES

- **SSPC-Guide 6**  
Guide for Containing Debris Generated During Paint Removal Operations
- **SSPC-Guide 7**  
Guide for the Disposal of Lead-Contaminated Surface Preparation Debris
- **SSPC-Guide 9**  
Guide for Atmospheric Testing of Coatings in the Field
- **SSPC-Guide 10**  
Guide to Specifying Coatings Conforming to Volatile Organic Compound (VOC) Content Requirements
- **SSPC-Guide 12**  
Guide for Illumination of Industrial Painting Projects
- **SSPC-Guide 13**  
Guide for the Identification and Use of Industrial Coating Materials in Computerized Product Databases
- **SSPC-Guide 14**  
Guide for the Repair of Imperfections in Galvanized, Organic, or Inorganic Zinc-Coated Steel Using Organic Zinc-Rich Coatings
- **SSPC-Guide 15**  
Field Methods for Retrieval and Analysis of Soluble Salts on Steel and other Nonporous Substrates
- **SSPC-Guide 16**  
Guide to Specifying and Selecting Dust Collectors
- **SSPC-Guide 17**  
Guide to Developing a Corporate Safety Program for Industrial Painting and Coating Contractors
- **SSPC-Guide 18**  
Specifier's Guide for Determining Containment Class and Environmental Monitoring Strategies for Lead Paint Removal Projects (new August 2008)

## TECHNOLOGY UPDATES

- **SSPC-TU 1**  
Surface-Tolerant Coatings for Steel
- **SSPC-TU 2/NACE 6G197**  
Design, Installation, and Maintenance of Coating Systems for Concrete Used in Secondary Containment
- **SSPC-TU 3**  
Overcoating
- **SSPC-TU 5**  
Accelerated Testing of Industrial Protective Coatings
- **SSPC-TU 6**  
Chemical Stripping of Organic Coatings from Steel Structures
- **SSPC-TU 7**  
Conducting Ambient Air, Soil, and Water Sampling During Surface Preparation and Paint Disturbance Activities
- **SSPC-TU 8**  
The Use of Isocyanate-Containing Paints as Industrial Maintenance Coatings
- **SSPC-TU 9**  
Estimating Costs for Protective Coatings Projects
- **SSPC-TU 10**  
Procedures for Applying Thick Film Coatings and Surfacing Over Concrete Floors
- **SSPC-TU 11**  
Inspection of Fluorescent Coating Systems

## TEST PANEL PREPARATION METHOD

- **SSPC-ME 1**  
Uncontaminated Rusted Steel

## APPLICATOR CERTIFICATION STANDARD

- **SSPC-ACS 1/NACE NO. 13**  
Industrial Coating and Lining Application Specialist Qualification and Certification Standard

# SSPC Compilations



## SURFACE PREPARATION SPECIFICATIONS AND PRACTICES

This 369-page softcover is a complete collection of SSPC surface preparation specifications, including the widely-used SSPC/NACE joint surface preparation standards for white metal (SP 5/NACE 1), near-white (SP 10/NACE 2), commercial (SP 6/NACE 3), industrial (SP 14/NACE 8), and brush-off blast cleaning (SP 7/NACE 4); waterjetting (SP 12/NACE 5); and the surface preparation of concrete (SP 13/NACE 6). Also contains the SSPC standards for solvent cleaning (SP 1), hand tool cleaning (SP 2), power tool cleaning (SP 3, SP 11, SP 15), and pickling (SP 8), plus the SSPC abrasives specifications (AB 1, AB 2, AB 3), the SSPC technology update on chemical stripping (TU 6), the SSPC guide for retrieval and analysis of soluble salts (Guide 15), and relevant excerpts from SSPC's "Good Painting Practice" and "The Inspection of Coatings and Linings."

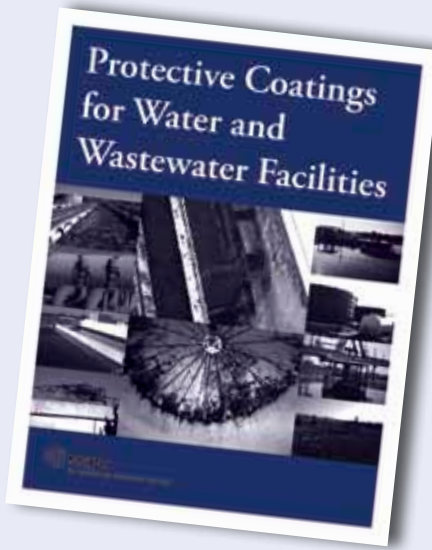
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## SHOP PAINTING OF STEEL

Identifies various types of industrial and commercial paint shops, describes their methods of operation, and compares shop painting to field painting. Provides an overview of environmental control systems, surface preparation, materials handling, coating application, commonly used primers and coating systems, inspection, environmental and safety practices, certification programs, and related topics. Includes a glossary of nearly 100 terms, a description of SSPC standards referenced throughout the text, plus over a dozen SSPC standards, guides, and specifications for shop primers and zinc-rich coatings.

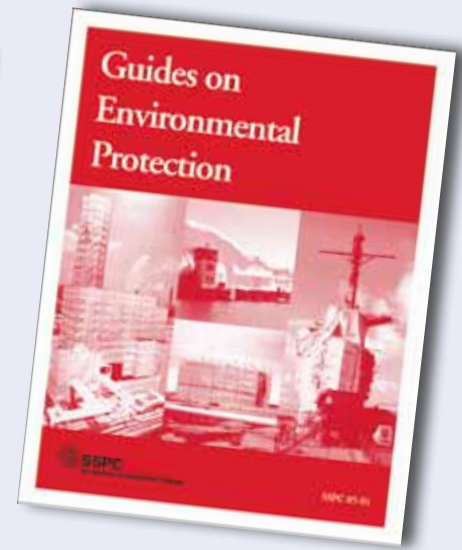
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**Non-Member Price: \$95.00**



## PROTECTIVE COATINGS FOR WATER AND WASTEWATER FACILITIES

This 232-page softcover presents a wide range of experiences and perspectives on the selection, maintenance, and inspection of coating systems for the water and wastewater industries. Contains select chapters from SSPC's "Good Painting Practice" and "The Inspection of Coatings and Linings," as well as papers and technical presentations from recent SSPC and PACE conferences, and a collection of referenced SSPC standards, including SSPC-PA Guide 5, SSPC-Paint 16, SSPC-PS Guide 12.00, SSPC-QP 1, SSPC-QP 5, SSPC-SP 1, SSPC-SP 5/NACE No. 1, SSPC-SP 6/NACE No. 3, SSPC-SP 10/NACE No. 2, and SSPC-TR 3/NACE 6A192.

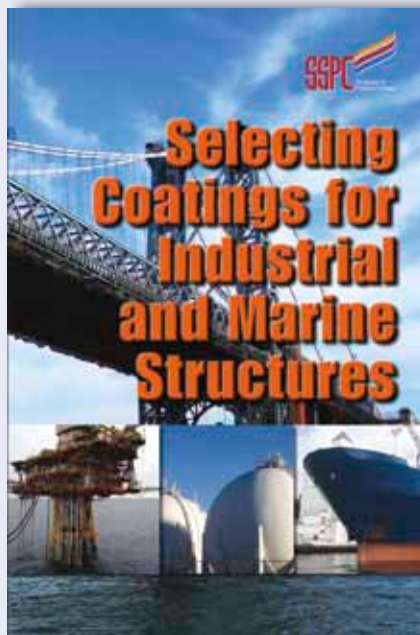
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## GUIDES ON ENVIRONMENTAL PROTECTION

This 322-page softcover provides information on the control of emissions during surface preparation and paint removal operations, the handling and disposal of lead-contaminated wastes, and other environmental, health, and safety issues. In addition to chapters from SSPC's "Good Painting Practice," papers from recent SSPC conferences, and excerpts from the Code of Federal Regulations, this new compilation also contains a selection of SSPC guides and standards in their entirety, including SSPC-Guide 6, Guide for Containing Surface Preparation Debris Generated During Paint Removal Operations, and SSPC-Guide 7, Guide to the Disposal of Lead-Contaminated Surface Preparation Debris.

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**Non-Member Price: \$125.00**



## SELECTING COATINGS FOR INDUSTRIAL AND MARINE STRUCTURES

**Dr. Richard W. Drisko, Editor**  
**SSPC Senior Technical Advisor**

This 386-page guide to selecting coatings, featuring chapters written by SSPC Members. Selecting Coatings for Industrial and Marine Structures covers selection criteria for coatings and coating systems, through a review of the basic components of coatings and handy charts that match coating systems and service environments. End-users will find the sections on application, safety, and environmental issues especially pertinent to their every-day concerns. Chapters about anti-fouling, industrial powder coatings, and thermal-spray (metallizing) for steel further demonstrate the wide-range of protective coatings and coating systems in use today.

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# Visual Standards and Reference Photographs

## SSPC and SSPC/NACE Surface Preparation Visual Reference Photographs

**Now In Spanish!**



### SSPC-VIS 1 Guide and Reference Photographs for Steel Surfaces Prepared by Dry Abrasive Blast Cleaning

SSPC's most widely used visual reference features over 50 full-color photos of previously coated and uncoated, rusted steel surfaces before and after white metal (SP 5/NACE 1), near-white (SP 10/NACE 2), commercial (SP 6/NACE 3), industrial (SP 14/NACE 8), and brush-off blast cleaning (SP 7/NACE 4). Appendix photographs show variations in white metal surfaces caused by different metallic and non-metallic abrasives, and by differences in profile depth, angle of view, and lighting. Now with guides in both English and Spanish!

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### SSPC-VIS 3 Guide and Reference Photographs for Steel Surfaces Prepared by Hand and Power Tool Cleaning

The recently revised and expanded SSPC-VIS 3 shows a total of seven different steel surfaces (four uncoated and three previously coated) before and after hand tool cleaning (SP 2), power tool cleaning (SP 3) with power wire brushes and sanding discs, power tool cleaning to bare metal (SP 11), and commercial grade power tool cleaning (SP 15). Additional photos show SP 11 surfaces with a restored profile.

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### SSPC-VIS 4/NACE VIS 7 Guide and Reference Photographs for Steel Surfaces Prepared by Waterjetting

Shows previously coated and uncoated, rusted steel surfaces cleaned to WJ 1, WJ 2, WJ 3, and WJ 4 finishes as defined by the SSPC/NACE standard for waterjetting (SP 12/NACE 5). Additional photos illustrate degrees of light, moderate, and heavy flash rusting after waterjetting.

**Item #01-05**  
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**Non-Member Price: \$165.00**



### SSPC-VIS 5/NACE VIS 9 Guide and Reference Photographs for Steel Surfaces Prepared by Wet Abrasive Blast Cleaning

Shows two uncoated, rusted steel surfaces before and after wet abrasive blast cleaning to near-white (SP 10/NACE 2) and commercial blast (SP 6/NACE 3) finishes. Additional photos illustrate the appearance of flash rusting after wet abrasive blast cleaning. Photos of commercial and near-white surfaces achieved by dry abrasive blast cleaning can be found in the revised SSPC-VIS 1.

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**New**

### Recommended Guidelines for Evaluating Flash Rust



Prepared by  
National Shipbuilding Research Program  
Surface Preparation and Coatings Panel  
(NSRP-SP-C)

### Flash Rust Evaluation Guidelines

A non-mandatory spiral-bound guide with text and reference photographs describing how to perform a field assessment of the amount of flash rust on a steel surface with a paint brush. The guide was developed for the National Shipbuilding Research Program Surface Preparation and Coatings Panel.

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### SSPC-VIS 2 Standard Method of Evaluating Degree of Rusting on Painted Steel Surfaces

SSPC's popular rust standard features a series of 27 full color images and 27 black and white diagrams representing various degrees of spot, general, and pinpoint rusting on painted steel surfaces. Text and tables provide a guide to the use of the reference photographs; a scale and description of standard rust grades; a comparison of SSPC, ASTM, ISO, and other rust grade scales; and other useful information.

**Item #00-08**  
**SSPC Member Price: \$115.50**  
**Non-Member Price: \$165.00**

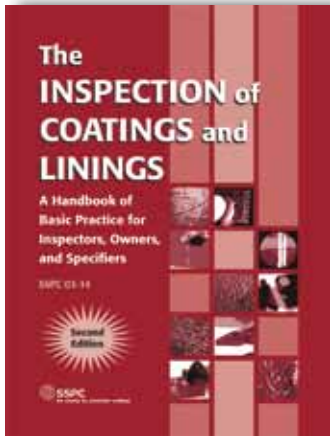


### ISO 8501:2007

This international standard discusses the preparation of steel for the acceptance of paints and coatings, and provides a visual reference for the assessment of steel surfaces prior to and after cleaning. Published by the International Organization for Standardization (ISO) in collaboration with the Swedish Standards Institute (SIS).

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**Price: \$330.00** (pricing on this item is subject to change)  
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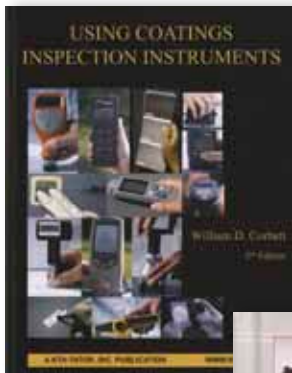
# Coating Inspection



## THE INSPECTION OF COATINGS AND LININGS A Handbook of Basic Practice for Inspectors, Owners, and Specifiers, 2nd Edition

SSPC's popular inspection title provides a detailed, comprehensive guide to the procedures, standards, and equipment used to inspect surface preparation, coating application, and associated work on industrial steel and concrete structures. The 2nd edition features newer sections on quality control for coating projects, job specifications, inspection plans, extracting and analyzing soluble salts, basic math for inspectors, inspecting nonskid surfaces, and surface preparation of nonferrous materials. Also includes expanded information on testing and inspecting concrete surfaces, fluoroelastomeric coatings, polyurethanes and polyureas, FRP linings, powder coatings, storage tanks, ships hulls, hydraulic structures, and more!

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## Here is what you'll find inside the 2nd edition of **The Inspection Of Coatings And Linings**

### INTRODUCTION

### INSPECTION PERSONNEL

### INSPECTION DOCUMENTS AND THE QUALITY CONTROL PROCESS

- Quality Control for Protective Coating Projects
- Reviewing Job Specifications
- Inspection Plans

### BASIC INSPECTION PRACTICE

- Preliminary Inspection Responsibilities
- Inspecting Surface Preparation of Steel
- Inspecting Surface Preparation of Concrete
- Inspecting Mixing, Thinning, and Coating Application
- Post-Application Inspection
- Methods for Extracting and Analyzing Soluble Salts
- Fundamental Math for the Inspector

### INSPECTING SPECIFIC COATING MATERIALS

- Conventional Coatings
- Chemical-Resistant Brick and Tile Linings
- Thick-Film Elastomeric Polyurethanes and Polyureas
- Fiberglass-Reinforced Plastic (FRP) Linings
- Fluoroelastomeric Coatings
- High-Bake Phenolic and Epoxy Phenolic Coatings
- Powder Coatings
- Synthetic Rubber Linings
- Thermal Spray Coatings
- Thermoplastic Sheet Linings

- Inorganic Zinc-Rich Coatings
- Inspecting Nonskid (Nonslip) Coatings

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- Underwater Inspection
- Bridges
- Ship Hulls
- Locks, Dams, and Their Appurtenances
- Offshore Facilities
- Refineries and Petrochemical Plants
- Food and Beverage Processing Plants
- Water and Wastewater Treatment Plants
- Pulp and Paper Mills
- Nuclear Power Plants
- Fossil Fuel Power Plants
- Inspecting Surface Preparation of Nonferrous Surfaces

### SAFETY

### FIELD TEST METHODS AND INSTRUMENTS USED BY COATINGS INSPECTORS

### GLOSSARY

### ABBREVIATIONS AND ACRONYMS

### STANDARDS-ISSUING ORGANIZATIONS AND REGULATORY AGENCIES

### INDEX

## USING COATINGS INSPECTION INSTRUMENTS 2nd Edition

This thoroughly illustrated, 300-page softcover provides detailed, easy-to-follow instruction on the use of over 40 different coatings inspection instruments. Each of the book's 11 sections presents full-color images, guided notes, and workshops describing the step-by-step use of instruments, visual standards and test kits for measuring ambient conditions and surface temperature, measuring surface profile depth, assessing surface cleanliness, sampling and testing for soluble salt contamination, calculating and measuring wet film thickness, measuring coating thickness, adhesion testing, detecting pinholes and holidays in coatings and linings, and more. Includes instructions for administering workshops, a glossary of terms, and an index of industry standards.

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## COATING AND LINING INSPECTION MANUAL

Although smaller in size and less detailed than "The Inspection of Coatings and Linings," this useful, handy book still offers a solid overview of basic inspection practice in a concise "question-and-answer" format. Discusses basic coatings technology, the role of the coating inspector, coating specifications, and supplier procedures. Describes various procedures and equipment for monitoring, testing, measurement, and inspection. Suitable as both a learning tool for beginners and as a portable field reference for the more experienced inspector.

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# Concrete Surfaces + Profile



## CONCRETE REPAIR MANUAL, 2ND EDITION

With more than 2000 pages of standards, guides, and technical documents from ACI, ASTM, ICRI, SSPC, and other associations, this two-volume set is the most complete collection of concrete repair information ever assembled! Topics include condition evaluation, materials for repair, surface preparation, application methods, corrosion management, structural strengthening, protection methods, contractual guidance, and more. Published jointly by the ACI (American Concrete Institute) International, the Building Research Establishment (BRE), The Concrete Society, and the International Concrete Repair Institute (ICRI).

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## ICRI TECHNICAL GUIDELINE NO. 03732 SELECTING AND SPECIFYING CONCRETE SURFACE PREPARATION FOR COATINGS, SEALERS, AND POLYMER OVERLAYS

This document and comparator set provides a useful written and visual guide to selecting an appropriate method of concrete surface preparation prior to the installation of a coating, lining, or other protective system. Discusses the unique aspects of 12 different surface preparation and cleaning methods: detergent scrubbing, low-pressure water cleaning, acid etching, grinding, abrasive blasting, shotblasting, scarifying, needle scaling, high- and ultrahigh-pressure waterjetting, scabbling, flame blasting, and milling/rotomilling. Appendices discuss selection processes, sealers and coatings, safety, and additional reference standards. Published by the International Concrete Repair Institute (ICRI).



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An instrument designed for the visual estimation of the surface profile (texture) of abrasive blast cleaned steel. Includes an illuminated, hand-held magnifier and three metal discs replicating surfaces cleaned with various grades of grit, sand, and shot.

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### FUNDAMENTALS OF CLEANING AND COATING CONCRETE

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## DVD Training Series Available Through SSPC

The Corrodere training DVD's are a one-of-a-kind product in the field of surface preparation and coating application. The training modules have been developed as a step-by-step guide to surface treatment by various methods and coatings application. The training methods are ideal for individuals and can be used as in-house and general applicator training. Videos and animations are used throughout, supported by comprehensive notes which can be viewed, saved or printed. The training was supported by both professional bodies and trade associations.

In addition to training materials, each DVD features an introduction/overview, a technical glossary of corrosion terms and online help. The DVD's also include video, still images and animation, as well as handout and instructor notes that can be viewed on-screen or printed out. Certain units also include theoretical and practical knowledge assessments. The DVD series is compatible with PC's running either Windows XP or Vista.

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- Coating Application Specialist Certification Program (CAS)
- Abrasive Blasting Program (C7)
- Water Jetting Program (C13)
- Airless Spray Basics (C12)
- Applicator Train-the-Trainer Program
- Floor Coating Basics
- Marine Plural Component Program (MPCAC, C14)
- Plural Component Basics
- Thermal Spray

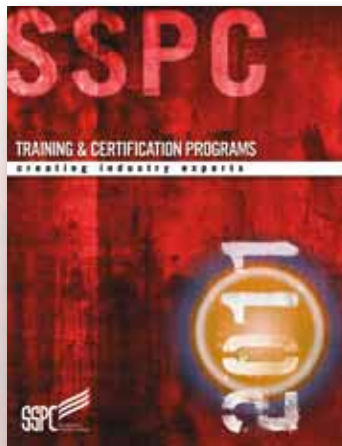
### Inspection

- Navigating Standard Item 009-32
- Using SSPC PA 2 Effectively
- Protective Coatings Inspector Program (PCI)
- Concrete Coating Basics
- Concrete Coating Inspector Program (CCI)
- Bridge Coatings Inspector Program (BCI)
- NAVSEA Basic Paint Inspector (NBPI)
- Master Coatings Inspector Certificate (MCI)

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- Evaluating Common Coating Contract Clauses
- Project Management for the Industrial Painting Contractor
- Protective Coatings Specialist (PCS)
- Fundamentals of Protective Coatings (C1)
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# Industry Training and Education

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Item #10-02

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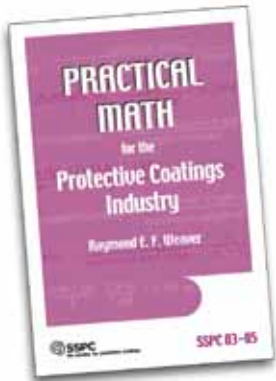
## PRACTICAL MATH FOR THE PROTECTIVE COATINGS INDUSTRY

This handy book presents an essential review of basic mathematical principles, then applies these principles to formulas and calculations commonly used in the protective coatings field. The book begins with easy-to-follow rules, tips, and formulas for simple arithmetic, equation solving, dimensional analysis, geometry, computations, and statistics. It then provides specific formulas for calculating dew point, relative humidity, spreading rate, wet and dry film thickness, pigment volume concentration, transfer efficiency, and other important figures. Although it has something to offer coatings personnel at all levels of experience, it is written especially for those who seek to improve their math skills and advance in their profession through training and education.

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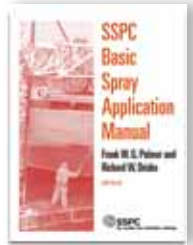
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Item #04-05

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Covers all areas of fall protection, including OSHA's general fall protection requirements, the new steel erection standard, fall protection for tower erectors, and ladder and scaffold safety. Presents an overview and description of duties requiring fall protection, criteria and practices for various fall protection systems, and definitions of applicable terms. Discusses the proper assembly, use, and maintenance of guardrails, safety nets, fall arrest and positioning devices, warning lines, and other equipment. Includes a VHS video, an instructor's guide, 10 employee handbooks, a training log, 10 wallet cards, and an awareness poster. Published by J.J. Keller and Associates.

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## INDUSTRIAL PAINTERS TRAINING

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Topics include personal safety, surface preparation methods and equipment, mixing and thinning, coating application, basic coating inspection, surface preparation of concrete, environmental controls and containment, reading and interpreting project specifications, quality control, and more. The Student Manual's 29 modules provide an essential overview of these and other subjects pertaining to industrial coating practices.



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# Industry Training & Education (cont'd)

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- Location where you would like to hold the training
- Estimated number of students
- Tentative Dates

Contact Jennifer Merck, at [merck@sspc.org](mailto:merck@sspc.org) or 1.877.281.7772, ext 2221. A customized proposal will be emailed to you within 2-4 business days.



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Toast your industry with pride, using the SSPC "Real Men" mug. Tough, high-impact plastic makes a good companion on the job site. Featuring SSPC-exclusive "Real Men" artwork on 1 side and the SSPC logo in red on the other. Dishwasher safe.

Thermal insulated mug with drink through lid. 22 oz  
 Price: \$ \$6.50



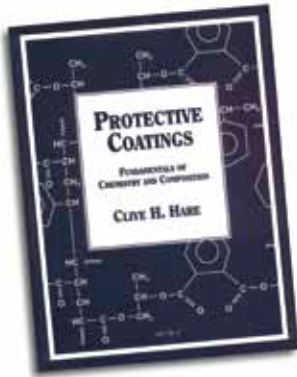
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Featuring SSPC-exclusive "Real Men" artwork on back and the SSPC logo in red on front.

Sizes L, XL, 2XL, 3XL  
 Price: \$25.00

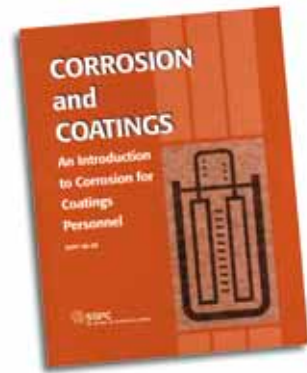
# Coatings Technology



## FUNDAMENTALS OF CHEMISTRY AND COMPOSITION by Clive H. Hare

This softcover reprint of one of SSPC's leading best sellers presents a comprehensive overview of basic coatings chemistry in an accessible, straightforward way. Introduce the basics of paint composition and polymer design, cohesion and adhesion in paint systems, and the chemistry of film forming systems. Discuss the properties and function of resins, binders, pigments, solvents, additives, and other ingredients used in the formulation of protective coatings. An indispensable reference book for students and professionals alike.

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SSPC Member Price: \$87.50  
Non-Member Price: \$125.00



## CORROSION AND COATINGS An Introduction to Corrosion for Coatings Personnel

Introduces the various mechanisms and forms of corrosion, the prevention and control of corrosion through the use of coatings, and other practices for maintaining corrosion control. Individual topics include mechanisms of corrosion control by protective coatings, composition and film formation of organic coatings, properties of generic coating types, the economics of corrosion control, and more. Provides a useful overview of basic corrosion control principles for coatings professionals at all levels of experience.

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### PDA GLOSSARY OF TERMS\*

The PDA Glossary of Terms is a 22-page spiralbound softcover containing a selection of general coating terms and definitions, as well as terms and definitions specifically related to polyurea coatings and linings.

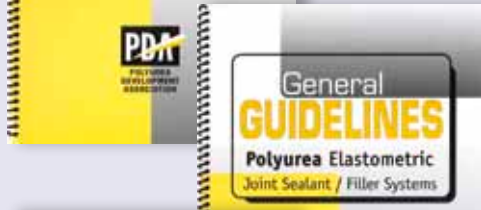
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SSPC Member Price: \$14.95  
Non-Member Price: \$19.95



### PDA POLYUREA ELASTOMETRIC COATING/LINING GENERAL GUIDE- LINES\*

Developed to assist in writing a specification for the use of polyurea coating and lining systems in industrial applications.

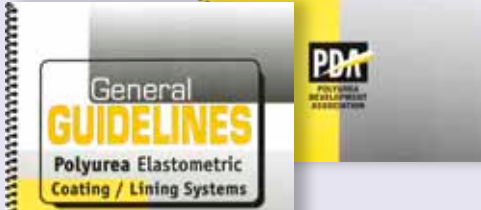
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### PDA POLYUREA ELASTOMETRIC JOINT SEALANT/FILLER SYSTEMS GUIDE- LINES\*

Developed to assist in specifying polyurea joint sealant systems, and to provide the specifier or applicator with an understanding of how to apply these systems.

Item #PDA-2  
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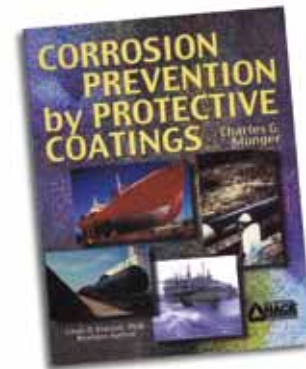
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Purchase all three together as a set for one low price!

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Non-Member Price: \$69.95 \*Not available as an SSPC Organizational Member free publication selection.

## SSPC Protective Coatings Specialist Certification (PCS) Program

The SSPC Protective Coatings Specialist Certification (PCS) Program identifies and awards recognition to individuals who have in-depth knowledge of the principles and practices of industrial coatings technology. Certification attests to the professional credibility of the industrial coatings and linings practitioner and raises the standards of the profession through the development and dissemination of corrosion knowledge, and the means of controlling its effects through the use of protective coatings. Both the individual and industry as a whole benefit from the PCS certification process. Contact SSPC to learn more, or visit <http://www.sspc.org/certification/PCS/>



## CORROSION PREVENTION BY PROTECTIVE COATINGS

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## FAILURE ANALYSIS OF PAINTS AND COATINGS by Dwight G. Weldon

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## VISUAL COMPARISON MANUAL Application and Coating Defects

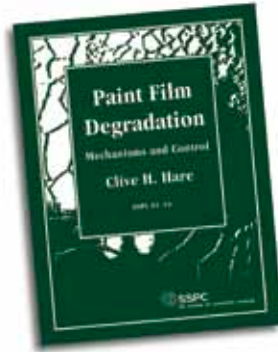
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### INTRODUCTION

#### PROPERTIES OF COATINGS

- The Molecular Structure of Polymeric Binders
- The Glass Transition
- Free Volume
- Viscoelasticity
- The Mechanical Properties of Coating Films and Their Characterization
- Modulus, Time and Temperature
- The Permeability of Coatings to Oxygen, Gases and Ionic Solutions

#### FORMULATING COATINGS

- Pigment Dispersion and Flocculation
- Paint Flow and Rheology
- Thixotropes and Flow Modifying Additives
- Paint Flow Defects
- Foaming and Defoaming

#### FAILURE MECHANISMS

- Weather and Corrosion
- Mechanically-Induced Failures
- Adhesion and Blistering Failures
- Chemically-Induced Failures
- Light and Radiation Failures
- Heat-Induced Failures
- Biologically-Induced Degradation and Failure

#### FAILURES RELATED TO PARTICULAR SUBSTRATES

- Problems with Coatings on Zinc Substrates
- Coating Systems for Aluminum Substrates
- Coating Systems for Miscellaneous Non-Ferrous Metal Substrates

- Painting Calcareous and Cementitious Substrates
- Painting Architectural Substrates: Plaster, Drywall and Stucco
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- Wood and Wood Products as Substrates for Paint
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- Clear Coats for Wood

#### FAILURES OF PRIMERS

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- Inhibitive Primers for Metal: Fundamental Considerations
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- Principles for the Design of Zinc-Rich Primers
- Single-Coat Zinc-Rich Systems
- Multi-Coat Zinc-Rich Systems

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- Can Stability of Oxidizing and Amino-Crosslinking Systems
- Variables in Polyurethane Formulations and Their Effects on Performance
- Can Stability of Epoxy Systems

#### GLOSSARY OF ACRONYMS AND ABBREVIATIONS

#### INDEX

# Ordering Information

## SSPC Pocket Guide eBook + Logo Wear ...page 2

### SSPC Painting Manual ...pages 3-5

SSPC Painting Manual, Book Set (PMBSET)  
Good Painting Practice, SSPC Painting Manual, Volume 1, Hardcover (0214)  
Good Painting Practice, SSPC Painting Manual, Volume 1, CD-ROM (CD07)  
Systems and Specifications, SSPC Painting Manual, Volume 2, Binder (0802)

### SSPC Standards Compilations ...page 6

Surface Preparation Specifications and Practices (0503)  
Shop Painting of Steel (0201)  
Protective Coatings for Water & Wastewater Facilities (0601)  
Guides on Environmental Protection (0501)  
Selecting Coatings for Industrial & Marine Structures

### Visual Standards And Reference Photographs ...page 7

SSPC-VIS 1 (0212)  
SSPC-VIS 3 (0407)  
SSPC-VIS 4/NACE VIS 7 (0105)  
SSPC-VIS 5/NACE VIS 9 (0106)  
SSPC-VIS 2 (0008)  
ISO 8501-1:2007 (0701)

### Coating Inspection ...page 8

The Inspection of Coatings and Linings (0314)  
Using Coatings Inspection Instruments (0308)  
Coating and Lining Inspection Manual (9112)

### Concrete Surfaces + Profile Comparator ...page 9

Concrete Repair Manual, 2nd Edition (0306)  
Fundamentals of Cleaning & Coating Concrete, Book (0110)  
Fundamentals of Cleaning & Coating Concrete, CD-ROM (CD08)  
Fundamentals of Cleaning & Coating Concrete Book/CD-ROM Set (CON-SET)  
ICRI Technical Guideline No. 03732 (9713)  
Surface Profile Comparator Magnifier & 3 Disc Set (7005)  
Surface Profile Comparator Magnifier (7004)  
Surface Profile Comparator Grit Blast Disc (7003)  
Surface Profile Comparator Sand Blast Disc (7002)  
Surface Profile Comparator Shot Blast Disc (7001)

### SSPC Training ...page 10

Corrodere Industrial Coating Applicator (DVD01)  
Corrodere Abrasive Blast Cleaner (DVD02)  
Corrodere Spray Painter (DVD03)  
Corrodere 3-DVD Set (DVD04)

### Training And Education ...pages 11, 12

Practical Math for the Protective Coatings Industry (9305)  
Protective Coatings Glossary (0007)  
Fall Protection for Construction (132-K)  
SSPC Basic Spray Application Manual (0405)  
Industrial Painters Training Student Manual (9407)  
Industrial Painters Training Instructor Manual (9409)  
MPI Maintenance Repainting Manual (MP-MAIN)  
MPI Architectural Painting Specification Manual (MP-ARCH)  
Painting and Decorating Craftman's Manual and Textbook (0014)

### Coatings Technology ...page 13

Protective Coatings (9417)  
PDA Glossary of Terms (PDA3)  
PDA Polyurea Elastometric Coating/Lining Guidelines (PDA1)  
PDA Polyurea Elastometric Joint Sealant/Filler Systems Guidelines (PDA2)  
Corrosion and Coatings (9808)  
Corrosion Prevention by Protective Coatings (0016)

### Paint And Coating Failures ...page 14

Paint Film Degradation (0114)  
Failure Analysis of Paints and Coatings (0414)  
Visual Comparison Manual (9901)  
Visual Comparison Manual CD-ROM (CD03)  
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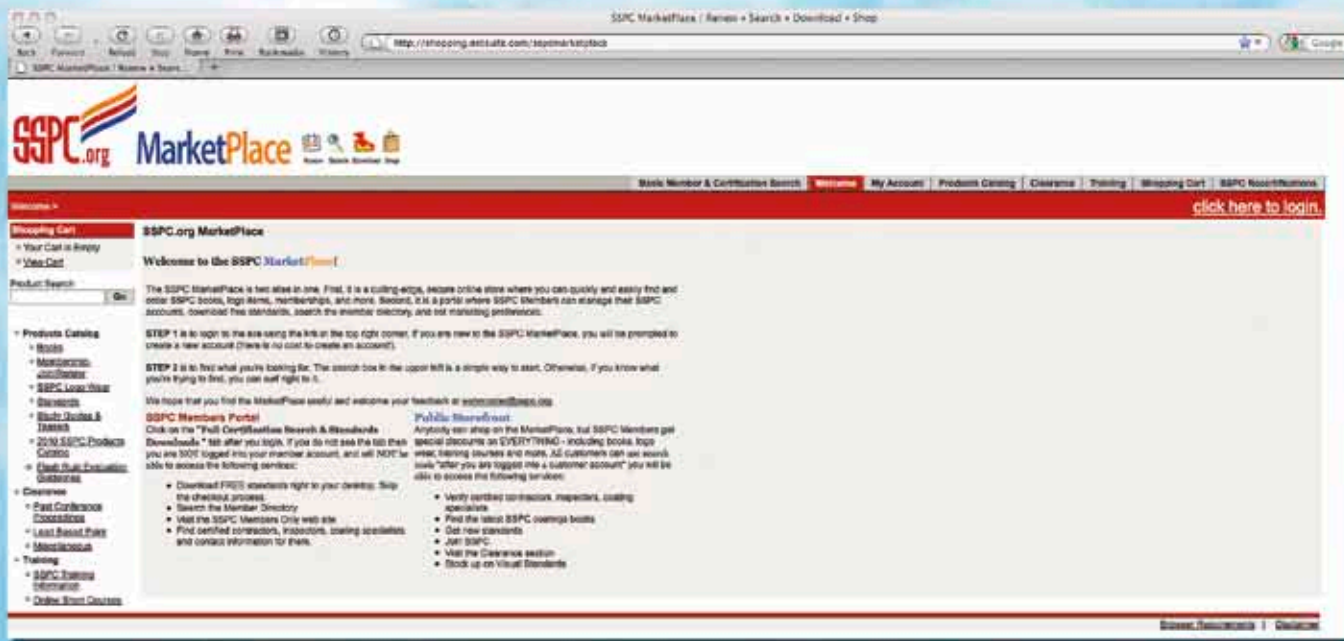
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