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SSPC PAINTING MANUAL, VOLUME 1

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"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 3-4)

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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 (Water jetting)
- 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

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.

HARDCOVER

Item #08-02

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Here's what you will find inside the
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
- 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 WJ-1/NACE WJ-1 – Waterjet Cleaning of Metals - Clean to Bare Substrate
- SSPC-SP WJ-2/NACE WJ-2 – Waterjet Cleaning of Metals - Very Thorough Cleaning
- SSPC-SP WJ-3/NACE WJ-3 – Waterjet Cleaning of Metals - Thorough Cleaning
- SSPC-SP WJ-4/NACE WJ-4 – Waterjet Cleaning of Metals - Light Cleaning
- SSPC-SP 13/NACE No. 6 – Surface Preparation of Concrete
- SSPC-SP 14/NACE No. 8 – Industrial Blast Cleaning
- SSPC-SP 15 – Commercial Power Tool Cleaning
- SSPC-SP 16 – Brush-Off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-Ferrous Metals
- 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/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 Systems 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 Guide 7.00 – Guide for Selecting One-Coat Shop Painting Systems
- SSPC-PS Guide 12.00 – Guide to Zinc-Rich Coating Systems
- SSPC-PS 12.01 – One-Coat Zinc Rich Painting System
- SSPC-CS 23.00/ AWS C2.23M/ NACE No. 12 – Specification for the Application of Thermal Spray Coatings (Metallizing) of Aluminum, Zinc, and Their Alloys and Composites for the Corrosion Protection of Steel
- SSPC-PS 28.01 – Two-Coat Zinc-Rich Polyurethane Primer/Aliphatic Polyurea Topcoat System, Performance-Based
- SSPC-PS 28.02 – Three-Coat Moisture-Cured Polyurethane Coating System, Performance-Based

PAINT AND COATING STANDARDS AND SPECIFICATIONS

- SSPC-Paint 15 – Steel Joist Primer/Metal Building Primer
- SSPC-Paint 16 – Coal Tar Epoxy Polyamide Black (or Dark Red) Coating
- SSPC-Paint 20 – Zinc-Rich Coating (Type I – Inorganic, and Type II – Organic)
- SSPC-Paint 23 – Latex Primer for Steel Surfaces
- SSPC-Paint 24 – Latex Semigloss Exterior Topcoat
- SSPC-Paint 27 – Basic Zinc Chromate—Vinyl Butyral Wash Primer
- SSPC-Paint 29 – Zinc Dust Sacrificial Primer, Performance-Based
- SSPC-Paint 30 – Weld-Through Inorganic Zinc Primer
- SSPC-Paint 32 – Coal Tar Emulsion Coating
- SSPC-Paint 33 – Coal Tar Mastic, Cold Applied
- SSPC-Paint 36 – Two-Component Weatherable Aliphatic Polyurethane Topcoat, Performance-Based
- SSPC-Paint 38 – Single-Component Moisture-Cure Weatherable Aliphatic Polyurethane Topcoat, Performance-Based – (Revised March 2012)
- 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 43 – Direct-to-Metal Aliphatic Polyurea Coating, Performance-Based

STANDARDS, GUIDES, AND METHODS RELATED TO COATING APPLICATION

- 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 – Procedure for Determining Compliance to Dry Coating Thickness Requirements
- 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 Service
- 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 12 – Method for Preparation of Uncontaminated Rusted Steel Test Panels (formerly SSPC-ME 1)
- SSPC-PA Guide 13 – Guide Specification for Application of Coating Systems With Zinc-Rich Primers to Steel Bridges
- SSPC-PA 14 – Field Application of Plural Component Polyurea and Polyurethane Thick Film Coatings to Concrete and Steel
- SSPC-PA 15 – Material and Preparation Requirements for Steel Test Panels Used to Evaluate the Performance of industrial Coatings
- SSPC-PA 16 – Method for Evaluating Scribe Undercutting on Coated Steel Test Panels Following Corrosion Testing
- SSPC-PA 17 – Procedure for Determining Conformance to Steel Profile/Surface Roughness/Peak Count Requirements

QUALIFICATION PROCEDURES

- SSPC-QP COM – Commentary on Qualification Procedures
- SSPC-QP 1 – Standard Procedure for Evaluating the Qualifications of Industrial/Marine Painting Contractors (Field Application to Complex Industrial and Marine Structures) - Revised June 2012
- SSPC-QP 2 – Standard Procedure for the Qualification of Painting Contractors (Field Removal of Hazardous Coatings from Industrial and Marine Steel Structures)
- AISC-420-10/SSPC-QP 3 – Certification Standard for Shop Application of Complex Protective Coating Systems
- 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 (Revised May 2012)
- 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 Procedure for Evaluating Qualifications of Painting Contractors Who Apply Architectural Paints and Coatings

SSPC PAINTING MANUAL, VOLUME 2 – (CONT.)

- SSPC-QS 1 – Standard Procedure for Evaluating a Contractor's Advanced Quality Management System

TECHNOLOGY GUIDES

- SSPC-Guide 6 – Guide for Containing Debris Generated During Paint Removal Operations (editorial revisions March 1, 2012)
- SSPC-Guide 7 – Guide to 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 and Testing Coatings Conforming to Volatile Organic Compound (VOC) Content Requirements

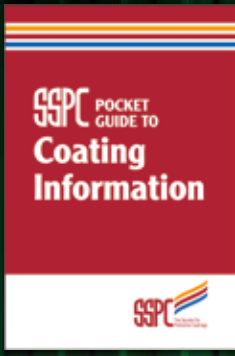
- SSPC-Guide 12 – Guide for Illumination of Industrial Painting Projects
- SSPC-Guide 13 – Guide for the Identification and Use of Industrial Coating Materials in Computerized Product Databases
- SSPC-Guide 14 – Guide for the Repair of Imperfections in Galvanized, Organic, or Inorganic Zinc-Coated Steel 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
- SSPC-Guide 19 – Selection of Protective Coatings for Use Over Galvanized Substrates

APPLICATOR CERTIFICATION STANDARD

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

NEWLY REVISED



THE SSPC POCKET GUIDE TO COATING INFORMATION


Second Edition

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Surface Preparation & Coating Application

- Abrasive Blasting Program (C7)
- Aerospace Coating Application Specialist Certification Program (ACAS)
- Airless Spray Basics (C12)
- Applicator Train-the-Trainer Program (ATT)
- Applicator Training Specialty Module CDs Recertification Online
- Coating Application Specialist Certification Program (CAS)
- Concrete Coating Basics (CCB)
- Floor Coating Basics (C10)
- Marine Plural Component Program (MPCAC, C14)
- Plural Component Application for Polyurea and High Solids Coatings (PLURAL)
- Thermal Spray Training (THERMAL)
- Water Jetting Program (C13)

Inspection

- Bridge Coatings Inspector Program (BCI)
- Bridge Maintenance: Conducting Coatings Assessments (BRIDGE)
- Concrete Coating Basics (CCB)
- Concrete Coating Inspector Program (CCI)
- CCI Supplement: Determining the Level of Moisture in Concrete (CCI SUPP)
- Inspection Planning and Documentation
- Master Coatings Inspector Certificate (MCI)

- Navigating Standard Item 009-32
- NAVSEA Basic Paint Inspector (NBPI)
- Protective Coatings Inspector Program (PCI)
- Protective Coatings Inspector 1-Day Workshop (PCI WS)
- Using SSPC PA 2 Effectively

Coatings Technology

- Fundamentals of Protective Coatings (C1)
- Marine Coatings (MARINE)
- Natural and Accelerated Weathering of Coatings (WEATHER)
- Protective Coatings Specialist (PCS) Program

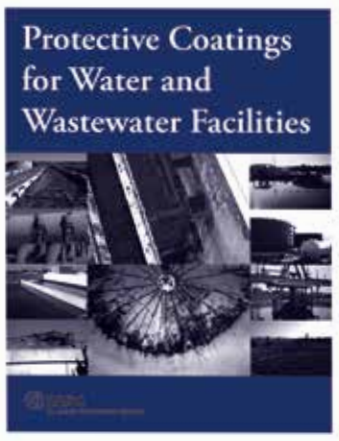
Management

- Basics of Estimating Industrial Coatings Projects (EST)
- Coating Specification Essentials (CTG SPEC ESS)
- Evaluating Common Coating Contract Clauses (CONTRACT)
- Planning and Specifying Industrial Projects (C2)
- Project Management for the Industrial Painting Contractor (PRO MGMT)
- Quality Control Supervisor (QCS)

Safety

- Lead Paint Removal (C3)
- Lead Paint Removal Refresher (C5)
- Lead Paint Worker Safety (WORKER)

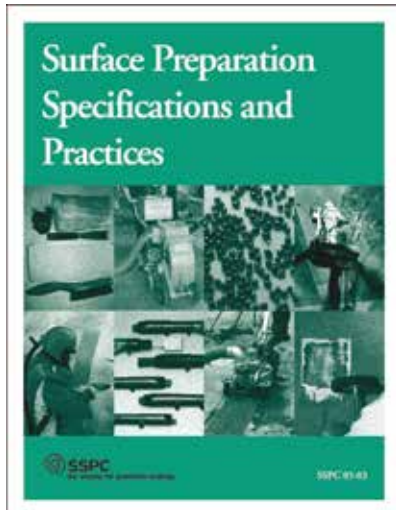
SSPC COMPILATIONS



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.

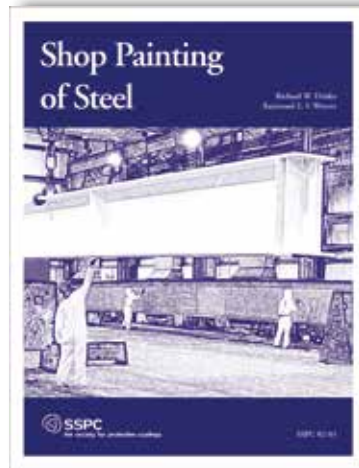
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SSPC Member Price: \$66.50
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GUIDES ON ENVIRONMENTAL PROTECTION

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.

Item #05-01
SSPC Member Price: \$87.50
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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.

Item #02-01
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Non-Member Price: \$95.00

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."

Item #05-03
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VISUAL STANDARDS AND REFERENCE PHOTOGRAPHS



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.

Item #10-01
SSPC Member Price: \$50.00
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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!**

Item #02-12
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SSPC-VIS 3

Guide and Reference Photographs for Steel Surfaces Prepared by Hand and Power Tool Cleaning

The 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.

Item #04-07
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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
SSPC Member Price: \$115.50
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.

Item #01-06
SSPC Member Price: \$80.50
Non-Member Price: \$115.00

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
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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).

Item #07-01
Price: \$330.00 (pricing on this item is subject to change)
No member discount. Not available as an SSPC Organizational Member free publication selection.

COATING INSPECTION

THE INSPECTION OF COATINGS AND LININGS

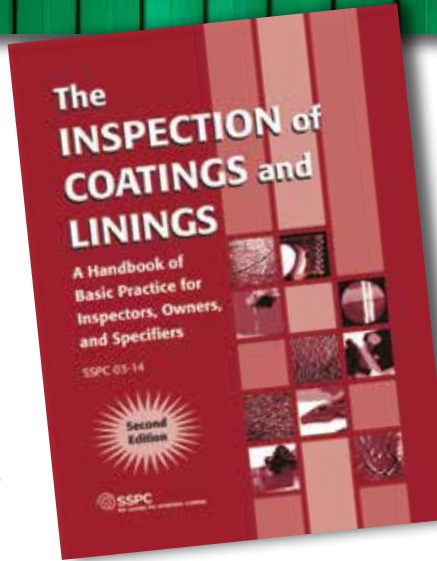
A Handbook of Basic Practice for Inspectors, Owners, and Specifiers, 2nd Edition

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!

Item #03-14

SSPC Member Price: \$136.50

Non-Member Price: \$195.00



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

INSPECTING FACILITIES

- Storage Tanks
- Pipelines
- 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

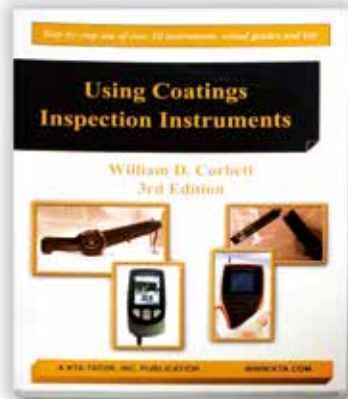
USING COATINGS INSPECTION INSTRUMENTS, 3RD EDITION

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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SURFACE PROFILE COMPARATOR

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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CONCRETE



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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SSPC Member Price: \$165.00

Non-Member Price: \$278.00

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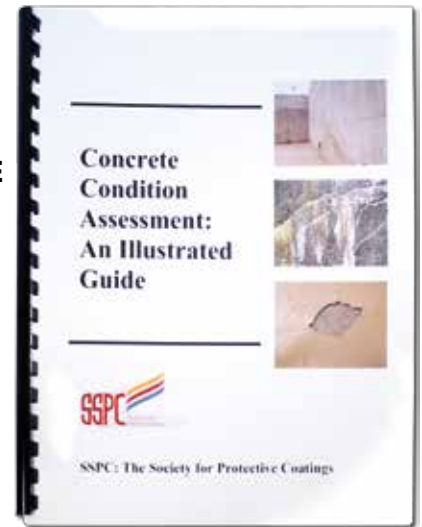
CONCRETE COATING CONDITION ASSESSMENT: AN ILLUSTRATED GUIDE

This technical guide is a field tool for use by concrete coating professionals when assessing the condition of coating systems over concrete surfaces being evaluated for maintenance and repair coating. It is organized according to the steps typically followed in concrete coating condition assessment and contains a special section of color illustrations to support identifying various concrete conditions that may be encountered in the field. A comprehensive glossary defines key terms used in condition assessment and appendix of removable sample forms is also supplied to supplement those examples given in the text.

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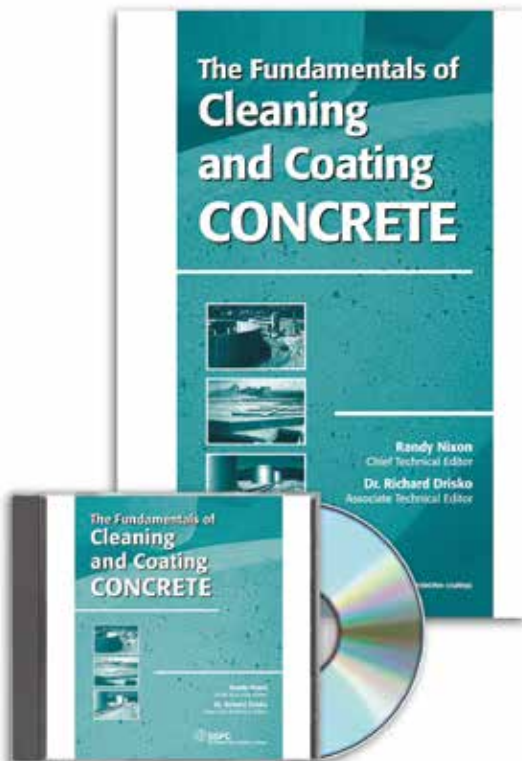
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SSPC Member Price: \$157.50

Non-Member Price: \$225.00

Set counts as two (2) SSPC

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CONCRETE



ICRITECHNICAL 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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SSPC

The SSPC Mobile App for Members is designed to give members access to the most useful on-the-go information on iOS and Android power devices. The primary features of the app allow SSPC members to access the complete set of SSPC Standards as well as a contact list of all current SSPC members.



INDUSTRY TRAINING AND EDUCATION



DVD TRAINING SERIES AVAILABLE THROUGH SSPC

The Corrodere training DVDs 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 DVDs 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 PCs running either Windows XP or Vista.

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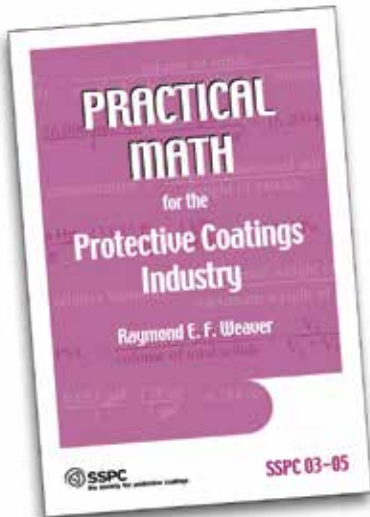
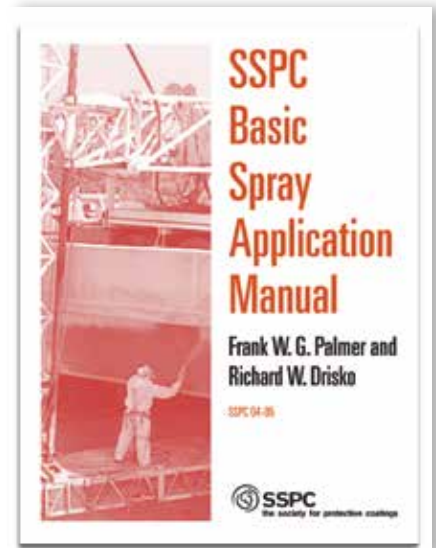
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3-DVD Set
 Item #DVD-04 – 3-DVD Set
 Non-Member Price: \$3,000
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Item #04-05
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This handy book presents an essential review of basic mathematical 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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HANDBOOK OF ARCHITECTURAL COATINGS

A 237-page softcover compilation from the Journal of Architectural Coatings, featuring the best articles on all aspects of specifying and using architectural coatings including:

- Roof coatings
- Air barriers
- Decorative and other interior coatings
- Generic coating types and their uses
- Coatings and waterproofing for concrete
- Fire-resistant and other special purpose coatings
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FALL PROTECTION FOR CONSTRUCTION

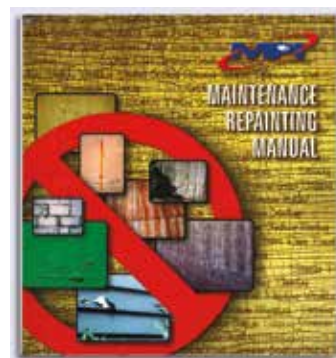
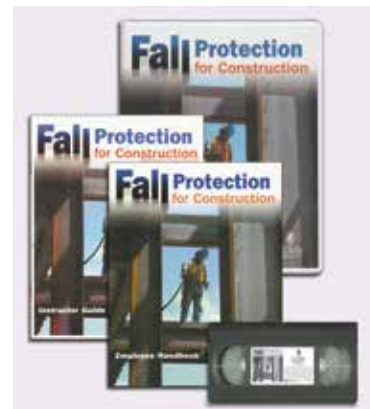
Covers all areas of fall protection, including OSHA's general fall protection requirements, the new steel erection standard, fall protection for tower erectors, and ladder and scaffold safety. Presents an overview and description of duties requiring fall protection, criteria and practices for various 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.

Item #132-K

SSPC Member Price: \$292.00

Non-Member Price: \$365.00

Not available as an SSPC Organizational Member free publication selection.



MPI MAINTENANCE REPAINTING MANUAL

A collection of standards and other reference documents on the maintenance of interior and exterior architectural finishing systems. Presents standards for assessing degrees of surface degradation; the preparation of wood, concrete, and other substrates; and the selection of compatible maintenance repainting systems. Includes an illustrated guide to coating failures and application defects, a copy of MPI's Approved Products List, a description and evaluation of various interior and exterior finishing systems, other useful information. Published by the Master Painters Institute (MPI).

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MPI ARCHITECTURAL PAINTING SPECIFICATION MANUAL

A comprehensive collection of standards and other reference documents on commercial and residential painting and wallcovering practices. Describes and evaluates various interior and exterior finishing systems for wood, concrete, and other substrates. Includes an overview of recommended surface preparation methods; a sample specification for architects and other professional specification writers; a copy of MPI's Approved Products List with detailed information on 135 different product categories; and other useful information. Published by the Master Painters Institute (MPI).

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INDUSTRIAL PAINTERSTRAINING

Designed to help novice blasters and painters enhance their skills, raise their level of professionalism, and perform their work in a safe, productive way. 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.

INDUSTRIAL PAINTERSTRAINING INSTRUCTOR MANUAL

The Instructor Manual's 29 modules correspond to those in the Student Manual, and provide notes on instructor preparation, presentation guidelines, quizzes, answer keys, references, and more.

Item #94-09

SSPC Member Price: \$97.50

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INDUSTRIAL PAINTERSTRAINING STUDENT MANUAL

The Student Manual contains 29 individual modules with essential information and instruction on the equipment, materials, and practices used in industrial coating projects.

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LET SSPC BRING TRAINING ONSITE TO YOU!

In an effort to better accommodate our customers, SSPC training courses can be brought to your job site or facility anywhere in the world. Pricing is based on the course, number of participants, instructor travel and accommodation costs.

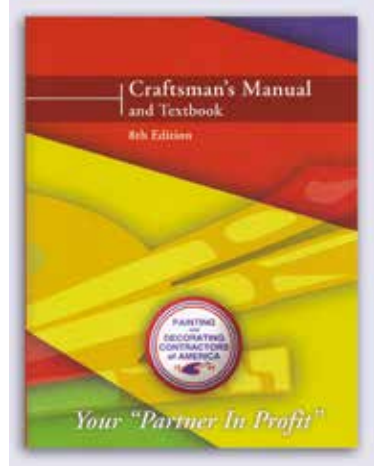
CONSIDER THESE BENEFITS:

- Onsite training saves your company money and provides you with increased scheduling flexibility
- Compare your onsite prices to the total cost of sending a group of people to various public offerings
- Typically, the economics favor onsite training when you have five or more attendees
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If you wish to receive a proposal for an onsite training course, please submit the following information:

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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 or 1.877.281.7772, ext 2221. A customized proposal will be emailed to you within 2-4 business days.



PDCA PAINTING AND DECORATING CRAFTSMAN'S MANUAL AND TEXTBOOK

From the Painting and Decorating Contractors of America (PDCA) comes this informative review of architectural, commercial, and industrial painting practices. Discusses coating materials, surface preparation, application methods and equipment, rigging, safety, coating failures, wallcoverings, and more.

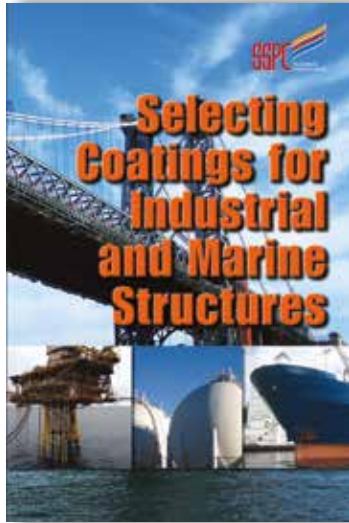
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Non-Member Price: \$160.00

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COATINGS TECHNOLOGY



SELECTING COATINGS FOR INDUSTRIAL AND MARINE STRUCTURES

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

This 386-page guide to selecting coatings, features 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.

Item # 08-01
SSPC Member Price: \$115
Non-Member Price: \$140



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. It:

- Introduces the basics of paint composition and polymer design, cohesion and adhesion in paint systems, and the chemistry of film forming systems
- Discusses the properties and function of resins, binders, pigments, solvents, additives, and other ingredients used in the formulation of protective coatings.

This book is an indispensable reference book for students and professionals alike.

Item #94-17
SSPC Member Price: \$87.50
Non-Member Price: \$125.00

CORROSION AND COATINGS AN INTRODUCTION TO CORROSION FOR COATINGS PERSONNEL

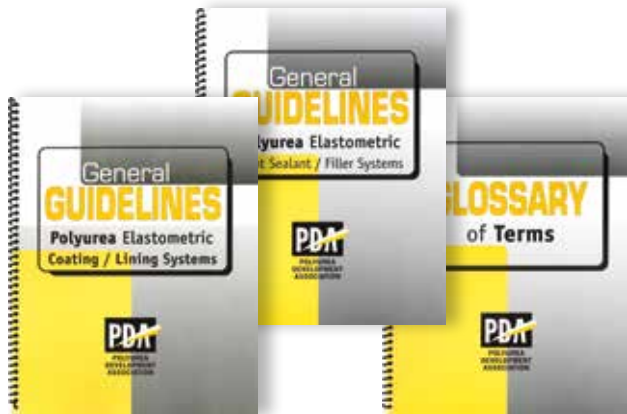
Introduces the various mechanisms and forms of corrosion, the prevention and control of corrosion through the use of coatings, and other practices for maintaining corrosion control. Individual topics include mechanisms of corrosion control by protective coatings, composition and film formation of organic 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.

Item #98-08
SSPC Member Price: \$65.00
Non-Member Price: \$95.00

CORROSION PREVENTION BY PROTECTIVE COATINGS*

Provides an introduction to the history, theory, and practice of high-performance coatings as an engineering approach to corrosion control. Discusses basic corrosion theory and coatings technology, essential coating properties, the importance of good surface preparation, structural design, coating specifications, coating failures, typical coating end-uses, and more. Published by NACE International.

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

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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.

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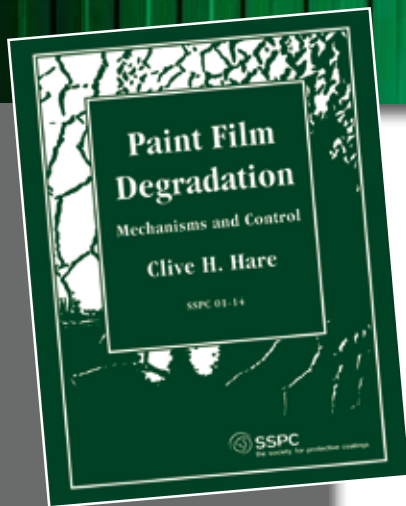
PDA COMBO PACK: GUIDELINES AND TERMS*

Purchase all three together as a set for one low price!

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Non-Member Price: \$69.95

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PAINT AND COATING FAILURES



PAINT FILM DEGRADATION MECHANISMS AND CONTROL

by Clive H. Hare

This fully-illustrated, 631-page hardcover from the author of "Protective Coatings: Fundamentals of Chemistry and Composition" presents a scientific approach to the analysis and prevention of common paint and coating failures on industrial, commercial, and residential structures. It begins with a close look at the structure, composition and properties of polymers used in the formulation of modern paints and coatings, followed by a systematic consideration of failures induced by weather, corrosion, mechanical and chemical influence, light, heat, and other agents. The book also discusses adhesion failures and blistering, failures on substrates other than steel (cement, concrete, wood, zinc, aluminum, other metals), failures specific to primers, and failures resulting from deterioration during storage.

Item #01-14

SSPC Member Price: \$136.50

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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
- Painting Masonry and Block Filler
- Preparing Structural Concrete for Painting
- Coatings for Structural Concrete
- Wood and Wood Products as Substrates for Paint
- Painting or Repainting Weathered Wood
- Problems with Pigmented Coatings on Exterior Wood
- Clear Coats for Wood

FAILURES OF PRIMERS

- Barrier Coatings: Protection Mechanisms and Design Principles
- Inhibitive Primers for Metal: Fundamental Considerations
- Inhibitive Primers for Metal: Practical Formulating and Service Problems
- Principles for the Design of Zinc-Rich Primers
- Single-Coat Zinc-Rich Systems
- Multi-Coat Zinc-Rich Systems

IN-CAN STABILITY PROBLEMS OF TOPCOATS

- 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

VISUAL COMPARISON MANUAL

Application and Coating Defects

This unique "visual glossary" provides a handy guide to the general cause and appearance of common coating failures and application defects on steel, concrete, and other substrates in industrial, commercial, and marine environments. Contains an indexed collection of 76 full-color reference photos, a glossary of terms, and other useful information. Glossary and index feature text in English, German, and Spanish. The CD-ROM (for PC only) contains all the material found in the book, plus additional photos, an interactive glossary, a guide to marine fouling organisms, and more. Buy both together as a set for one special price!

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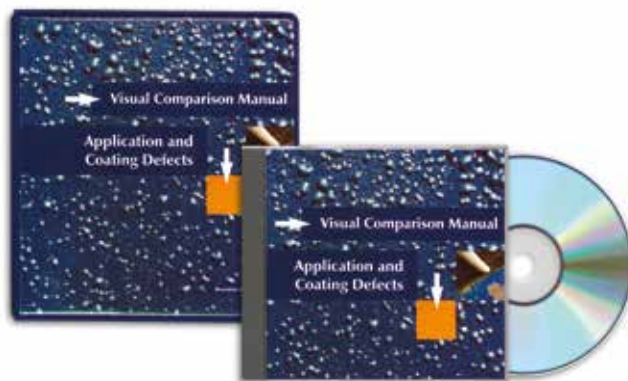
Non-Member Price: \$225.00

BOOK AND CD-ROM SET:

Item #VCM-SET

SSPC Member Price: \$227.50

Non-Member Price: \$325.00



Not available as an SSPC Organizational Member free publication selection.

FAILURE ANALYSIS OF PAINTS AND COATINGS

by Dwight G. Weldon

Illustrated, easy to read, and fully indexed, this 285-page hardcover presents a solid review of basic coatings chemistry and the field and laboratory techniques used for analyzing common application defects and coating failures. Individual chapters discuss general principles of coating formulation; why coatings work and why they fail; the role of pigments, additives and solvents; coating types and common failure modes; application-related problems; field, analytical and physical methods; examples of coating failures; the repair of coating failures; and more. Published by John Wiley and Sons.

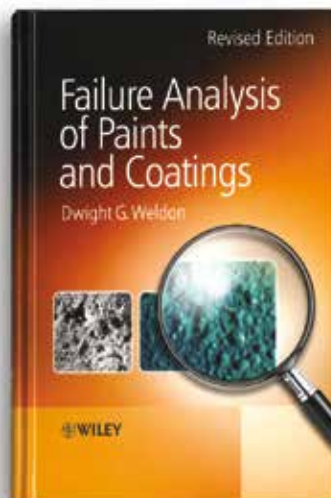
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SSPC Member Price: \$157.50

Non-Member Price: \$225.00

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SSPC LOGO WEAR

SLATE BLUE QUARTER ZIP SWEATER

Cotton/Nylon mix SSPC logo in white.

Color: Slate Blue
Sizes S, M, 2XL, 3XL

Item # **ST-40**
SSPC Member Price: **\$38.00**
Nonmember Price: **\$43.00**
Upcharge for 2x-3x sizes



CHARCOAL QUARTER ZIP SWEATER

Cotton/Nylon mix SSPC logo in white.

Color: Charcoal
Sizes L, XL

Item # **ST-43**
SSPC Member Price: **\$38.00**
Nonmember Price: **\$43.00**



BURNT ORANGE POLO

Waffle Knit Polo with white base and trim,
SSPC logo in white

Color: Burnt Orange
Sizes S, M, L, XL, 2XL

Item # **ST-41**
SSPC Member Price: **\$29.00**
Nonmember Price: **\$34.00**



BLACK FULL ZIP LIGHTWEIGHT JACKET

Manchester Bonded Microfiber, SSPC Logo in white

Color: Black
Sizes S, M, L, XL, 2XL

Item # **ST-39**
SSPC Member Price: **\$30.00**
Nonmember Price: **\$35.00**

CAMOUFLAGE T-SHIRT

100% cotton print jersey,
SSPC Logo in White

Color: Sand Digital Pattern
Sizes S, M, L, XL, 2XL

Item # **ST-42**
SSPC Member Price: **\$15.00**
Nonmember Price: **\$20.00**



SSPC LOGO WEAR

POLAR FLEECE VEST

Need a little more elbow room? Then this vest is the perfect choice, providing warmth and comfort. SSPC logo in color.

Color: Polar Gray
Sizes S, M, L, XL, 2XL, 3XL

Item # **ST-31**
SSPC Member Price: **\$20.00**
Nonmember Price: **\$25.00**



V NECK SWEATER VEST

Cotton-Nylon mixed, Navy V-necked SSPC logo in white.

Color: Navy Blue
Sizes S, M, L, XL, 2XL, 3XL

Item # **ST-38**
SSPC Member Price: **\$20.00**
Nonmember Price: **\$25.00**



TWO-TONE POLO

Short-sleeve polo. White with grey trim and featuring the SSPC logo. You'll look good on the field, golf course, or in the office with this sharp, 100% Polyester.

Color: Black/White • SSPC Logo White
Sizes S, M, L, XL, 2XL, 3XL

Item # **ST-17**
SSPC Member Price: **\$15.00**
Nonmember Price: **\$20.00**
Upcharge for 2x-3x sizes

Color: White/Grey • SSPC Logo Full Color
Sizes S, M, L, XL, 2XL, 3XL

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SSPC Member Price: **\$15.00**
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Upcharge for 2x-3x sizes



SSPC LOGO WEAR



ST-30

HOODIE

Champion Full-Zip Hooded Sweatshirt. You'll be stylin' in this all-cotton hoodie, with the SSPC logo in white.

Color: Navy
 Sizes S, M, L, XL, 2XL, 3XL

Item # **ST-30**
SSPC Member Price: \$30.00
Nonmember Price: \$35.00



ST-32

LONG SLEEVE T-SHIRT

Hanes Tagless Long-Sleeve T-Shirt. Comfort with a bit more warmth.

Colors: Black (shown), Maroon
 Sizes S, M, L, XL, 2XL, 3XL

Item # **ST-32 (Black), ST-33 (Maroon)**
SSPC Member Price: \$15.00
Nonmember Price: \$19.00



ST-33



ST-28

2-IN-1 REVERSIBLE JACKET

This versatile jacket is reversible - red waterproof polyester on one side, plush fleece on the other. For warmer weather, the sleeves zip off, converting to a vest!

Red/Black, with SSPC logo in white.
 Sizes S, M, L, XL, 2XL, 3XL

Item # **ST-28**
SSPC Member Price: \$35.00
Nonmember Price: \$40.00
Upcharge for 2x-3x sizes



ST-24

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ST-23



ST-22

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