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**09 96 00-SCAQMD HIGH PERFORMANCE COATINGS
PRO INDUSTRIAL PAINTING**

THE SHERWIN-WILLIAMS COMPANY

INDUSTRIAL PAINTING SCHEDULE GUIDE

This Painting Schedule is furnished only as a guide to select interior and exterior paint systems, and is not all-inclusive of available Sherwin-Williams products. Although it is written in the CSI format and can be included in its entirety in a master specification, one should review the contents and edit to suit the particular needs of the project and its respective location.

The schedule is arranged by substrates, and each includes the various degrees of gloss available.

New government VOC (Volatile Organic Compound) regulations continue to be implemented in the southern part of the state of California. These regulations are established by the South Coast Air Quality Management District (SCAQMD), which is defined as most of Los Angeles, Orange, Riverside, and San Bernardino Counties. They continually set lower and lower VOC limits for architectural, industrial maintenance, and traffic paints and coatings. In the 1980's Maricopa County, Arizona adopted a VOC regulation for architectural, industrial maintenance, and traffic coatings, which is more stringent than the federal government's national rule.

Exemptions: Some exemptions from all of these rules include; aerosols, colorants added in the store, and shop-applied coatings to the product being manufactured at pre-stainers, OEMs, finishing shops and similar facilities. VOC regulations have been taken into consideration, but we suggest that you verify your product selections to meet the requirements of the area in which they are to be used

If you need more specific information on a particular product, refer to the current Sherwin-Williams Painting Systems Catalog or the www.sherwin-williams.com Website or call our Architectural Services Department toll free.

<http://www.aqmd.gov/rules/reg/reg11/r1113.pdf> SCAQMD

**The Sherwin-Williams Company
Architectural Services Department
1-800-321-8194 (Telephone)
216-566-1392 (Fax)**

SECTION 09 96 00

PRO INDUSTRIAL PAINTS AND COATINGS



Part 1 GENERAL

1.1 SECTION INCLUDES

- A Interior and exterior paint and coatings systems including: latexes, alkyds, epoxies, water-based urethanes and urethanes

1.2 RELATED SECTIONS

- A Section 05 05 13 - Shop Applied Coatings for Metal.
- B Section 06 01 40 - Architectural Woodwork Refinishing.
- C Section 06 05 83 - Shop Applied Wood Coatings
- D Section 07 19 00 - Water Repellents.
- E Section 09 67 00 - Fluid Applied Flooring for Concrete
- F Section 09 93 00 - Stains and Transparent Finishes
- G Section 09 96 00 - High-Performance Coatings

1.3 REFERENCES

- A SSPC-SP 1 - Solvent Cleaning.
- B SSPC-SP 2 - Hand Tool Cleaning.
- C SSPC-SP 3 - Power Tool Cleaning.
- D SSPC-SP 13 / NACE No. 6 Surface Preparation for Concrete.
- E EPA - Method 24
- F SCAQMD RULE 1113

1.4 SUBMITTALS

- A Submit under provisions of Section 01 33 00, Submittal Procedures.
- B Product Data: Manufacturer's data sheets on each paint and coating product should include:
 - 1 Product characteristics
 - 2 Surface preparation instructions and recommendations
 - 3 Primer requirements and finish specification
 - 4 Storage and handling requirements and recommendations
 - 5 Application methods
 - 6 Cautions
- C Selection Samples: Submit a complete set of color chips that represent the full range of manufactures color samples available.
- D Verification Samples: For each finish product specified, submit samples that represents actual product, color, and sheen.
- E Submit SCAQMD compliant products only.

1.5 MOCK-UP

Include a mock-up if the project size and/or quality warrant taking such a precaution. The following is one example of how a mock-up on a large project might be specified. When deciding on the extent of the mock-up, consider all the major different types of painting on the project.

- A Finish surfaces for verification of products, colors, & sheens.
- B Finish area designated by Architect.
- C Provide samples that designate prime & finish coats.
- D Do not proceed with remaining work until the Architect approves the mock-up samples.

1.6 DELIVERY, STORAGE, AND HANDLING

- A Delivery: Deliver manufacturer's unopened containers to the work site. Packaging shall bear the manufactures name, label, and the following list of information:

- Product name, type (description)
- Application & use instructions
- Surface preparation
- VOC content: for two component products, provide mixed VOC in g/L
- Environmental issues
- Batch date
- Color number

- B Storage: Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction. Store materials in an area that is within the acceptable temperature range, per manufacturers instructions. Protect from freezing.
- C Handling: Maintain a clean, dry storage area, to prevent contamination or damage to the coatings.

1.7 PROJECT CONDITIONS

- A Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not apply coatings under environmental conditions outside manufacturer's absolute limits.

Part 2 PRODUCTS

2.1 MANUFACTURERS

- A Acceptable Manufacturer:
The Sherwin-Williams Company
101 Prospect Avenue NW
Cleveland, OH 44115
Tel: (800) 321-8194
Fax: (216) 566-1392
www.sherwin-williams.com
- B. Substitutions: Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 Product Requirements.
When submitting request for substitution, provide complete product data specified above under Submittals, for each substitute product.

2.2 APPLICATION/SCOPE

- A Use this article to define the scope of painting if not fully defined in a Finish Schedule or on the drawings. This article must be carefully edited to reflect the surfaces actually found on the project. In some cases, it may be enough to use the first paragraph that says, in effect, "paint everything" along with a list of items not to paint, without exhaustively defining all the different surfaces and items that must be painted.
- B If the project involves repainting some but not all existing painted surfaces, be sure to indicated the extent of the repainting.
- C The descriptions of each system can also be used to further refine the definition of what is to be painted, stained, or clear finished.

- D Surfaces To Be Coated:

Concrete - Poured, Precast, Tilt-Up, Cast-In-Place, Cement Board, Plaster
Masonry - (CMU - Concrete, Split Face, Scored, Smooth, etc.)
Non-Ferrous- (Galvanized & Aluminum)
Metal -(Ceilings-Structural Steel, Joists, Trusses, Beams, etc.)
Wood - Walls, Ceilings, Doors, Trim, Cabinet Work, etc.
Drywall

2.3 SCHEDULE INDEX

Light/Moderate Industrial Exposures: Interior Dry

| | |
|--|-------|
| A. CONCRETE | 6-7 |
| (Walls & Ceilings, Poured Concrete, Precast Concrete, Unglazed Brick, Cement Board, Tilt-Up, Cast-In-Place) including Plaster (walls, ceilings) | |
| 1. Latex Systems | |
| 2. Epoxy System (Solvent Base) | |
| 3. Epoxy System (Water Base) | |
| 4. Urethane System (Water Base) | |
| 5. Dryfall systems (Water Based) | |
| B. MASONRY | 8-9 |
| (CMU - Concrete, Split Face, Scored, Smooth, High/Low Density, Fluted) | |
| 1. Latex Systems | |
| 2. Epoxy System (Solvent Base) | |
| 3. Epoxy System (Water Base) | |
| 4. Urethane System (Water Base) | |
| 5. Urethane System (Solvent Base) | |
| C. NON-FERROUS- (Galvanized & Aluminum) | 10-11 |
| 1. Latex Systems | |
| 2. Epoxy System (Solvent Base) | |
| 3. Epoxy System (Water Base) | |
| 4. Urethane System (Water Base) | |
| 5. Urethane System (Solvent Base) | |
| 6. Dryfall Waterborne Systems | |
| D. METAL (Structural Steel Columns, Joists, Trusses, Beams, Miscellaneous & Ornamental Iron, Sashes, Doors, Partitions, Cabinets, Lockers) | 12-14 |
| 1. Latex Systems | |
| 2. Epoxy System (Solvent Base) | |
| 3. Epoxy System (Water Base) | |
| 4. Urethane System (Water Base) | |
| 5. Urethane System (Solvent Base) | |
| 6. Dryfall systems (Water Based) | |
| E. WOOD | 14-15 |
| (Walls, Doors, Trim, Partitions, Frames) | |
| 1. Latex Systems | |
| 2. Epoxy System (Solvent Base) | |
| 3. Epoxy System (Water Base) | |
| F. DRYWALL | 15-16 |
| (Walls, Ceilings, Gypsum Board, Wood Pulp Board, Plaster Board, etc.) | |
| 1. Latex Systems | |
| 2. Epoxy System (Solvent Base) | |
| 3. Epoxy System (Water Base) | |

Index of Data pages

[DATAPAGES AND MSDS SHEETS: \(To open any of the Data page Files, please click here\)](#)

For a comprehensive list of acceptable products please click the link below that takes you to the LEED® & VOC Coatings Reference Guide.

swgreenspecs.com

* Refer to the current MSDS/EDS for exact VOCs. VOCs may vary by base. Some colors may not be 0 VOC after tinting with conventional colorants

2.3 SCHEDULE

Light/Moderate Industrial Exposures: Interior/Exterior Dry

A. CONCRETE -Smooth (Walls & Ceilings, Poured Concrete, Precast Concrete, Unglazed Brick, Cement Board, Tilt-Up, Cast-In-Place) Plaster (walls, ceilings)

1. Latex Systems

a. Gloss Finish

- 1st Coat: S-W Loxon Acrylic Masonry Primer, A24W8300
(8 mils wet, 3.2 dry)
- 2nd Coat: S-W DTM Acrylic Coating-100, B66-151 Series
- 3rd Coat: S-W DTM Acrylic Coating-100, B66-151 Series
(2.5 - 4.0 mils dry per coat)

Zero VOC Topcoat

- 1st Coat: S-W Loxon Acrylic Masonry Primer, A24W8300
(8 mils wet, 3.2 dry)
- 2nd Coat: S-W Pro Industrial Zero VOC Gloss Acrylic B66-600 Series
- 3rd Coat: S-W Pro Industrial Zero VOC Gloss Acrylic B66-600 Series
(2.5 - 4.0 mils dry per coat)

b. Semi-Gloss Finish

- 1st Coat: S-W Loxon Acrylic Masonry Primer, A24W8300
(8 mils wet, 3.2 dry)
- 2nd Coat: S-W Metalatex® Semi-Gloss Coating B42 Series
- 3rd Coat: S-W Metalatex® Semi-Gloss Coating B42 Series
(1.5 - 4.0 mils dry per coat)

Zero VOC Topcoat

- 1st Coat: S-W Loxon Acrylic Masonry Primer, A24W8300
(8 mils wet, 3.2 dry)
- 2nd Coat: S-W Pro Industrial Zero VOC Semi-Gloss Acrylic B66-650 Series
- 3rd Coat: S-W Pro Industrial Zero VOC Semi-Gloss Acrylic B66-650 Series
(2.5 - 4.0 mils dry per coat)

c. Low Sheen

- 1st Coat: S-W Loxon Acrylic Masonry Primer, A24W8300
(8 mils wet, 3.2 dry)
- 2nd Coat: S-W Pro Industrial® Zero VOC Eg-Shel Acrylic B66-660 Series
- 3rd Coat: S-W Pro Industrial® Zero VOC Eg-Shel Acrylic B66-660 Series
(2.5 - 4.0 mils dry per coat)

- Light/Moderate Industrial Exposures: Interior/Exterior Dry**
- A. CONCRETE - Smooth (Walls & Ceilings, Poured Concrete, Precast Concrete, Unglazed Brick, Cement Board, Tilt-Up, Cast-In-Place) Plaster (walls, ceilings)**
- 2. Epoxy Systems (Solvent Base)**
- a. Semi-Gloss Finish
1st Coat: S-W Macropoxy® 646-100 Fast Cure Epoxy, B58-620 Series
2nd Coat: S-W Macropoxy® 646-100 Fast Cure Epoxy, B58-620 Series
(5-10 mils dry per coat)
- 3. Epoxy Systems (Water Base)**
- a. Gloss Finish
Zero VOC Topcoat
1st Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-300 Series
2nd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-300 Series
(2.0- 4 mils dry per coat)
- b. Eg-Shel/Low Luster Finish
Zero VOC Topcoat
1st Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-360 Series
2nd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-360 Series
(2.0- 4 mils dry per coat)
- 4. Urethane System (Water Base)**
- a. Gloss Finish
1st Coat: S-W Loxon Acrylic Masonry Primer, A24W8300
(8 mils wet, 3.2 dry)
2nd Coat: S-W WaterBased Acrolon 100, B65-720 Series
3rd Coat: S-W WaterBased Acrolon 100, B65-720 Series
(2-3 mils dry per coat)
- 5. Dryfall Waterborne Systems: Interior**
- a. Semi-Gloss Finish
1st Coat: S-W Low VOC Waterborne Acrylic Dryfall, B42W83
2nd Coat: S-W Low VOC Waterborne Acrylic Dryfall, B42W83
(11 mils wet, 4.5 mils dry per coat)
- b. Eg-Shel Finish
1st Coat: S-W Low VOC Waterborne Acrylic Dryfall, B42W82
2nd Coat: S-W Low VOC Waterborne Acrylic Dryfall, B42W82
(11 mils wet, 4.5 mils dry per coat)
- c. Flat Finish
1st Coat: S-W Low VOC Waterborne Acrylic Dryfall, B42W81
2nd Coat: S-W Low VOC Waterborne Acrylic Dryfall, B42W81
(11 mils wet, 4.5 mils dry per coat)

**B. Light/Moderate Industrial Exposures: Interior/Exterior Dry
MASONRY - (CMU - Concrete, Split Face, Scored, Smooth, High Density, Low Density,
Fluted)**

1. Latex Systems

a. Gloss Finish

- 1st Coat: S-W Heavy Duty Block Filler, B42W46
(18 mils wet, 10 mils wet)
- 2nd Coat: S-W DTM Acrylic Coating-100, B66-151 Series
- 3rd Coat: S-W DTM Acrylic Coating-100, B66-151 Series
(2.5 - 4.0 mils dry per coat)

Zero VOC Topcoat

- 1st Coat: S-W Heavy Duty Block Filler, B42W46
(18 mils wet, 10 mils wet)
- 2nd Coat: S-W Pro Industrial Zero VOC Gloss Acrylic B66-600 Series
- 3rd Coat: S-W Pro Industrial Zero VOC Gloss Acrylic B66-600 Series
(2.5 - 4.0 mils dry per coat)

b. Semi-Gloss Finish

- 1st Coat: S-W Heavy Duty Block Filler, B42W46
(18 mils wet, 10 mils wet)
- 2nd Coat: S-W Metalatex® Semi-Gloss Coating B42 Series
- 3rd Coat: S-W Metalatex® Semi-Gloss Coating B42 Series
(1.5 - 4.0 mils dry per coat)

Zero VOC Topcoat

- 1st Coat: S-W Heavy Duty Block Filler, B42W46
(18 mils wet, 10 mils wet)
- 2nd Coat: S-W Pro Industrial Zero VOC Semi-Gloss Acrylic B66-650 Series
- 3rd Coat: S-W Pro Industrial Zero VOC Semi-Gloss Acrylic B66-650 Series
(2.5 - 4.0 mils dry per coat)

c. Low Sheen

Zero VOC Topcoat

- 1st Coat: S-W Heavy Duty Block Filler, B42W46
(18 mils wet, 10 mils wet)
- 2nd Coat: S-W Pro Industrial® Zero VOC Eg-Shel Acrylic B66-660 Series
- 3rd Coat: S-W Pro Industrial® Zero VOC Eg-Shel Acrylic B66-660 Series
(2.5 - 4.0 mils dry per coat)

Light/Moderate Industrial Exposures: Interior/Exterior Dry

B. MASONRY - (CMU - Concrete) (continued)

2. Epoxy Systems (Solvent Base Finish)

- a. Semi-Gloss Finish
 - 1st Coat: S-W Heavy Duty Block Filler, B42W46
(18 mils wet, 10 mils wet)
 - 2nd Coat: S-W Macropoxy® 646-100 Fast Cure Epoxy, B58-620 Series
 - 3rd Coat: S-W Macropoxy® 646-100 Fast Cure Epoxy, B58-620 Series
(5-10 mils dry per coat)

3. Epoxy Systems (Water Base)

- a. Gloss Finish
 - Zero VOC Topcoat**
 - 1st Coat: S-W Heavy Duty Block Filler, B42W46
(18 mils wet, 10 mils wet)
 - 2nd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-300 Series
 - 3rd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-300 Series
(2.0- 4 mils dry per coat)
- b. Eg-Shel/Low Luster Finish
 - Zero VOC Topcoat**
 - 1st Coat: S-W Heavy Duty Block Filler, B42W46
(18 mils wet, 10 mils wet)
 - 2nd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-360 Series
 - 3rd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-360 Series
(2.0- 4 mils dry per coat)

4. Urethane Systems (Water Base)

- a. Gloss Finish
 - 1st Coat: S-W Heavy Duty Block Filler, B42W46
(18 mils wet, 10 mils dry)
 - 2nd Coat: S-W WaterBased Acrolon 100, B65-720 Series
 - 3rd Coat: S-W WaterBased Acrolon 100, B65-720 Series
(2-3 mils dry per coat)

5. Urethane Systems (Solvent Base Finish)

- a. Gloss Finish
 - 1st Coat: S-W Heavy Duty Block Filler, B42W46
(18 mils wet, 10 mils dry)
 - 2nd Coat: S-W Hi-Solids Polyurethane 100, B65-625 Series
 - 3rd Coat: S-W Hi-Solids Polyurethane 100, B65-625 Series
(3-4 mils dry per coat)
- b. Semi-Gloss Finish
 - 1st Coat: S-W Heavy Duty Block Filler, B42W46
(18 mils wet, 10 mils dry)
 - 2nd Coat: S-W Hi-Solids Polyurethane 100, B65-630 Series
 - 3rd Coat: S-W Hi-Solids Polyurethane 100, B65-630 Series
(3-4 mils dry per coat)

NOTE: FOR A HARDER, MORE MOISTURE RESISTANT EPOXY OR URETHANE FINISH OR FOR AREAS UNDER HEAVIER MOISTURE CONDITIONS, USE SHERWIN-WILLIAMS CEMENTPLEX 875 CEMENTITIOUS BLOCK FILLER

**C. Light/Moderate Industrial Exposures: Interior/Exterior Dry
Non-Ferrous- (Galvanized & Aluminum)**

1. Latex Systems

a. Gloss Finish

- 1st Coat: S-W Pro Industrial Pro-Cryl® Primer, B66-310 Series
(2-4 mils dry)
- 2nd Coat: S-W DTM Acrylic Coating-100, B66-151 Series
- 3rd Coat: S-W DTM Acrylic Coating-100, B66-151 Series
(2.5 - 4.0 mils dry per coat)

Zero VOC Topcoat

- 1st Coat: S-W Pro Industrial Pro-Cryl® Primer, B66-310 Series
(2-4 mils dry)
- 2nd Coat: S-W Pro Industrial Zero VOC Gloss Acrylic B66-600 Series
- 3rd Coat: S-W Pro Industrial Zero VOC Gloss Acrylic B66-600 Series
(2.5 - 4.0 mils dry per coat)

b. Semi-Gloss Finish

- 1st Coat: S-W Pro Industrial Pro-Cryl® Primer, B66-310 Series
(2-4 mils dry)
- 2nd Coat: S-W Metalatex® Semi-Gloss Coating, B42 Series
- 3rd Coat: S-W Metalatex® Semi-Gloss Coating, B42 Series
(1.5 - 4.0 mils dry per coat)

Zero VOC Topcoat

- 1st Coat: S-W Pro Industrial Pro-Cryl® Primer, B66-310 Series
(2-4 mils dry)
- 2nd Coat: S-W Pro Industrial Zero VOC Semi-Gloss Acrylic B66-650 Series
- 3rd Coat: S-W Pro Industrial Zero VOC Semi-Gloss Acrylic B66-650 Series
(2.5 - 4.0 mils dry per coat)

c. Low Sheen

Zero VOC Topcoat

- 1st Coat: S-W Pro Industrial® Pro-Cryl® Primer, B66-310 Series
(2-4 mils dry)
- 2nd Coat: S-W Pro Industrial® Zero VOC Eg-Shel Acrylic B66-660 Series
- 3rd Coat: S-W Pro Industrial® Zero VOC Eg-Shel Acrylic B66-660 Series
(2.5 - 4.0 mils dry per coat)

2 Epoxy Systems (Solvent Base)

a. Semi-Gloss Finish

- 1st Coat: S-W Macropoxy® 646-100 Fast Cure Epoxy, B58-620 Series
- 2nd Coat: S-W Macropoxy® 646-100 Fast Cure Epoxy, B58-620 Series
(5-10 mils dry per coat)

Light/Moderate Industrial Exposures: Interior/Exterior Dry

C. Non-Ferrous- (Galvanized & Aluminum)

3. Epoxy Systems (Water Base)

a. Gloss Finish

Zero VOC Topcoat

1st Coat: S-W Pro Industrial® Pro-Cryl® Primer, B66-310 Series
(2-4 mils dry)

2nd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-300 Series

3rd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-300 Series
(2.0- 4 mils dry per coat)

b. Eg-Shel Finish

Zero VOC Topcoat

1st Coat: S-W Pro Industrial® Pro-Cryl® Primer, B66-310 Series
(2-4 mils dry)

2nd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-360 Series

3rd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-360 Series
(2.0- 4 mils dry per coat)

4. Urethane Systems (Water Base)

a. Gloss Finish

1st Coat: S-W Pro Industrial Pro-Cryl® Primer, B66-310 Series
(2-4 mils dry)

2nd Coat: S-W WaterBased Acrolon 100, B65-720 Series

3rd Coat: S-W WaterBased Acrolon 100, B65-720 Series
(2-3 mils dry per coat)

5. Urethane Systems (Solvent Base)

a. Gloss Finish

1st Coat: S-W Pro Industrial Pro-Cryl® Primer, B66-310 Series
(2-4 mils dry)

2nd Coat: S-W Hi-Solids Polyurethane 100, B65-625 Series

3rd Coat: S-W Hi-Solids Polyurethane 100, B65-625 Series
(3-4 mils dry per coat)

b. Semi-Gloss Finish

1st Coat: S-W Pro Industrial Pro-Cryl® Primer, B66-310 Series
(2-4 mils dry)

2nd Coat: S-W Hi-Solids Polyurethane 100, B65-630 Series

3rd Coat: S-W Hi-Solids Polyurethane 100, B65-630 Series
(3-4 mils dry per coat)

6. Dryfall Waterborne Systems: Interior

a. Semi-Gloss Finish

1st Coat: S-W Low VOC Waterborne Acrylic Dryfall, B42W83

2nd Coat: S-W Low VOC Waterborne Acrylic Dryfall, B42W83
(11 mils wet, 4.5 mils dry per coat)

b. Eg-Shel Finish

1st Coat: S-W Low VOC Waterborne Acrylic Dryfall, B42W82

2nd Coat: S-W Low VOC Waterborne Acrylic Dryfall, B42W82
(11 mils wet, 4.5 mils dry per coat)

c. Flat Finish

1st Coat: S-W Low VOC Waterborne Acrylic Dryfall, B42W81

2nd Coat: S-W Low VOC Waterborne Acrylic Dryfall, B42W81
(11 mils wet, 4.5 mils dry per coat)

**D. Light/Moderate Industrial Exposures: Interior/Exterior Dry
METAL - (Structural Steel Columns, Joists, Trusses, Beams, Miscellaneous & Ornamental
Iron, Structural Iron, Ferrous Metal)**

1. Latex Systems

a. Gloss Finish

- 1st Coat: S-W Pro Industrial Pro-Cryl® Primer, B66-310 Series
(2-4 mils dry)
- 2nd Coat: S-W DTM Acrylic Coating-100, B66-151 Series
- 3rd Coat: S-W DTM Acrylic Coating-100, B66-151 Series
(2.5 - 4.0 mils dry per coat)

Zero VOC Topcoat

- 1st Coat: S-W Pro Industrial Pro-Cryl® Primer, B66-310 Series
(2-4 mils dry)
- 2nd Coat: S-W Pro Industrial Zero VOC Gloss Acrylic B66-600 Series
- 3rd Coat: S-W Pro Industrial Zero VOC Gloss Acrylic B66-600 Series
(2.5 - 4.0 mils dry per coat)

b. Semi-Gloss Finish

- 1st Coat: S-W Pro Industrial Pro-Cryl® Primer, B66-310 Series
(2-4 mils dry)
- 2nd Coat: S-W Metalatex® Semi-Gloss Coating B42 Series
- 3rd Coat: S-W Metalatex® Semi-Gloss Coating B42 Series
(1.5 - 4.0 mils dry per coat)

Zero VOC Topcoat

- 1st Coat: S-W Pro Industrial Pro-Cryl® Primer, B66-310 Series
(2-4 mils dry)
- 2nd Coat: S-W Pro Industrial Zero VOC Semi-Gloss Acrylic B66-650 Series
- 3rd Coat: S-W Pro Industrial Zero VOC Semi-Gloss Acrylic B66-650 Series
(2.5 - 4.0 mils dry per coat)

c. Low Sheen

Zero VOC Topcoat

- 1st Coat: S-W Pro Industrial® Pro-Cryl® Primer, B66-310 Series
(2-4 mils dry)
- 2nd Coat: S-W Pro Industrial® Zero VOC Eg-Shel Acrylic B66-660 Series
- 3rd Coat: S-W Pro Industrial® Zero VOC Eg-Shel Acrylic B66-660 Series
(2.5 - 4.0 mils dry per coat)

2. Epoxy System (Solvent Base)

a. Semi-Gloss Finish

- 1st Coat: S-W Macropoxy® 646-100 Fast Cure Epoxy, B58-620 Series
- 2nd Coat: S-W Macropoxy® 646-100 Fast Cure Epoxy, B58-620 Series
(5-10 mils dry per coat) (3rd coat optional)

- Light/Moderate Industrial Exposures: Interior/Exterior Dry METAL (Structural Steel, etc.)(continued)**
- D.**
- 3. Epoxy Systems (Water Base)**
- a. Gloss Finish
Zero VOC Topcoat
1st Coat: S-W Pro Industrial® Pro-Cryl® Primer, B66-310 Series
(2-4 mils dry)
2nd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-300 Series
3rd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-300 Series
(2.0- 4 mils dry per coat)
- b. Eg-Shel Finish
Zero VOC Topcoat
1st Coat: S-W Pro Industrial® Pro-Cryl® Primer, B66-310 Series
(2-4 mils dry)
2nd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-360 Series
3rd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-360 Series
(2.0- 4 mils dry per coat)
- 4. Urethane System (Water Base)**
- a. Gloss Finish
1st Coat: S-W Pro Industrial Pro-Cryl® Primer, B66-310 Series
(2-4 mils dry)
2nd Coat: S-W WaterBased Acrolon 100, B65-720 Series
3rd Coat: S-W WaterBased Acrolon 100, B65-720 Series
(2-3 mils dry per coat)
- 5. Urethane System (Solvent Base)**
- a. Gloss Finish
1st Coat: S-W Recoatable Epoxy Primer, B67-45 Series
(4-6 mils dry)
2nd Coat: S-W Hi-Solids Polyurethane 100, B65-625 Series
3rd Coat: S-W Hi-Solids Polyurethane 100, B65-625 Series
(3-4 mils dry per coat)
- b. Semi-Gloss Finish
1st Coat: S-W Recoatable Epoxy Primer, B67-45 Series
(4-6 mils dry)
2nd Coat: S-W Hi-Solids Polyurethane 100, B65-630 Series
3rd Coat: S-W Hi-Solids Polyurethane 100, B65-630 Series
(3-4 mils dry per coat)

- Light/Moderate Industrial Exposures: Interior/Exterior Dry**
- D. METAL (Structural Steel, etc.)(continued)**
- 6. Dryfall Waterborne Topcoats: Interior**
- a. Semi-Gloss Finish
 - 1st Coat: S-W Pro Industrial Pro-Cryl® Primer, B66-310 Series (2-4 mils dry)
 - 2nd Coat: S-W Low VOC Waterborne Acrylic Dryfall, B42W83
 - 3rd Coat: S-W Low VOC Waterborne Acrylic Dryfall, B42W83 (11 mils wet, 4.5 mils dry per coat)

 - b. Eg-Shel Finish
 - 1st Coat: S-W Pro Industrial Pro-Cryl® Primer, B66-310 Series (2-4 mils dry)
 - 2nd Coat: S-W Low VOC Waterborne Acrylic Dryfall, B42W82
 - 3rd Coat: S-W Low VOC Waterborne Acrylic Dryfall, B42W82 (11 mils wet, 4.5 mils dry per coat)

 - c. Flat Finish
 - 1st Coat: S-W Pro Industrial Pro-Cryl® Primer, B66-310 Series (2-4 mils dry)
 - 2nd Coat: S-W Low VOC Waterborne Acrylic Dryfall, B42W81
 - 3rd Coat: S-W Low VOC Waterborne Acrylic Dryfall, B42W81 (11 mils wet, 4.5 mils dry per coat)

- Light/Moderate Industrial Exposures: Interior Dry**
- E. WOOD- (Doors, Trim, Partitions, Frames)**
- 1. Latex Systems**
- a. Gloss Finish
 - Zero VOC Topcoat**
 - 1st Coat: S-W Premium Wall & Wood Primer, B28W8111 (4 mils wet, 1.8 mils dry)
 - 2nd Coat: S-W Pro Industrial Zero VOC Gloss Acrylic B66-600 Series
 - 3rd Coat: S-W Pro Industrial Zero VOC Gloss Acrylic B66-600 Series (2.5 - 4.0 mils dry per coat)

 - b. Semi-Gloss Finish
 - Zero VOC Topcoat**
 - 1st Coat: S-W Premium Wall & Wood Primer, B28W8111 (4 mils wet, 1.8 mils dry)
 - 2nd Coat: S-W Pro Industrial Zero VOC Semi-Gloss Acrylic B66-650 Series
 - 3rd Coat: S-W Pro Industrial Zero VOC Semi-Gloss Acrylic B66-650 Series (2.5 - 4.0 mils dry per coat)

 - c. Low Sheen
 - Zero VOC Topcoat**
 - 1st Coat: S-W Premium Wall & Wood Primer, B28W8111 (4 mils wet, 1.8 mils dry)
 - 2nd Coat: S-W Pro Industrial® Zero VOC Eg-Shel Acrylic B66-660 Series
 - 3rd Coat: S-W Pro Industrial® Zero VOC Eg-Shel Acrylic B66-660 Series (2.5 - 4.0 mils dry per coat)

- Light/Moderate Industrial Exposures: Interior Dry**
- E. WOOD- (Doors, Trim, Partitions, Frames)**
- 2. Epoxy System (Solvent Base)**
- a. Semi-Gloss Finish
 1st Coat: S-W Macropoxy® 646-100 Fast Cure Epoxy, B58-620 Series
 2nd Coat: S-W Macropoxy® 646-100 Fast Cure Epoxy, B58-620 Series
 (5-10 mils dry per coat)
- 3. Epoxy System (Water Base)**
- a. Gloss Finish
Zero VOC Topcoat
 1st Coat: S-W Premium Wall & Wood Primer, B28W8111
 (4 mils wet, 1.8 mils dry)
 2nd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-360 Series
 3rd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-360 Series
 (2.0- 4 mils dry per coat)
- b. Eg-Shel Finish
Zero VOC Topcoat
 1st Coat: S-W Premium Wall & Wood Primer, B28W8111
 (4 mils wet, 1.8 mils dry)
 2nd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-300 Series
 3rd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-300 Series
 (2.0- 4 mils dry per coat)

** Specifier Note: For exterior application substitute above primer with
Exterior Latex Primer, B42W8041 (4 mils wet, 1.4 mils dry)

- Light/Moderate Industrial Exposures: Interior Dry**
- F. DRYWALL (Walls, Ceilings, Gypsum Board)**
- 1. Latex Systems**
- a. Gloss Finish
Zero VOC Topcoat
 1st Coat: S-W ProMar 200 Zero VOC Latex Primer, B28W2600
 (4 mils wet, 1.5 mils dry)
 2nd Coat: S-W Pro Industrial Zero VOC Gloss Acrylic B66-600 Series
 3rd Coat: S-W Pro Industrial Zero VOC Gloss Acrylic B66-600 Series
 (2.5 - 4.0 mils dry per coat)
- b. Semi-Gloss Finish
 1st Coat: S-W ProMar 200 Zero VOC Latex Primer, B28W2600
 (4 mils wet, 1.5 mils dry)
 2nd Coat: S-W Metalatex® Semi-Gloss Coating B42 Series
 3rd Coat: S-W Metalatex® Semi-Gloss Coating B42 Series
 (1.5 - 4.0 mils dry per coat)
- Zero VOC Topcoat**
 1st Coat: S-W ProMar 200 Zero VOC Latex Primer, B28W2600
 (4 mils wet, 1.5 mils dry)
 2nd Coat: S-W Pro Industrial Zero VOC Semi-Gloss Acrylic B66-650 Series
 3rd Coat: S-W Pro Industrial Zero VOC Semi-Gloss Acrylic B66-650 Series
 (2.5 - 4.0 mils dry per coat)

**Light/Moderate Industrial Exposures: Interior Dry
DRYWALL (Walls, Ceilings, Gypsum Board)**

**F.
1.**

Latex Systems

c. Low Sheen

Zero VOC System

1st Coat: S-W ProMar 200 Zero VOC Latex Primer, B28W2600
(4 mils wet, 1.5 mils dry)

2nd Coat: S-W Pro Industrial® Zero VOC Eg-Shel Acrylic B66-660 Series

3rd Coat: S-W Pro Industrial® Zero VOC Eg-Shel Acrylic B66-660 Series
(2.5 - 4.0 mils dry per coat)

2. Epoxy System (Solvent Base)

a. Semi-Gloss Finish

1st Coat: S-W ProMar 200 Zero VOC Latex Primer, B28W2600
(4 mils wet, 1.5 mils dry)

2nd Coat: S-W Macropoxy® 646-100 Fast Cure Epoxy, B58-620 Series

3rd Coat: S-W Macropoxy® 646-100 Fast Cure Epoxy, B58-620 Series
(5-10 mils dry per coat)

3. Epoxy Systems (Water Base)

a. Gloss Finish

Zero VOC System

1st Coat: S-W ProMar 200 Zero VOC Latex Primer, B28W2600
(4 mils wet, 1.5 mils dry)

2nd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-300 Series

3rd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-300 Series
(2.0- 4 mils dry per coat)

b. Eg-Shel Finish

Zero VOC System

1st Coat: S-W ProMar 200 Zero VOC Latex Primer, B28W2600
(4 mils wet, 1.5 mils dry)

2nd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-360 Series

3rd Coat: S-W Pro Industrial Zero VOC Waterborne Catalyzed Epoxy, B73-360 Series
(2.0- 4 mils dry per coat)

**** Specifier Note: For exterior application substitute above primer with
Exterior Latex Primer, B42W8041 (4 mils wet, 1.4 mils dry)**

2.4 MATERIALS - GENERAL REQUIREMENTS

- A Paints and Coatings - General:
 - 1 Unless otherwise indicated, provide factory-mixed coatings. When required, mix coatings to correct consistency in accordance with manufacturer's instructions before application. Do not reduce, thin, or dilute coatings or add materials to coatings unless such procedure is specifically described in manufacturer's product instructions.
 - 2 For opaque finishes, tint each coat including primer coat and intermediate coats, one-half shade lighter than succeeding coat, with final finish coat as base color.
- B Primers:
 - 1 Where the manufacturer offers options on primers for a particular substrate, use primer categorized as "best" by the manufacturer.

2.5 ACCESSORIES

- A Coating Application Accessories:
 - 1 Provide all primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials required per manufacturer's specifications.

Part 3 EXECUTION

3.1 EXAMINATION

- A Do not begin application of coatings until substrates have been properly prepared. Notify Architect of unsatisfactory conditions before proceeding
- B If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- C Proceed with work only after conditions have been corrected, and approved by all parties, otherwise application of coatings will be considered as an acceptance of surface conditions.

3.2 SURFACE PREPARATION:

- A Proper product selection, surface preparation, and application affect coating performance. Coating integrity and service life will be reduced because of improperly prepared surfaces. Selection and implementation of proper surface preparation ensures coating adhesion to the substrate and prolongs the service life of the coating system.
- B Selection of the proper method of surface preparation depends on the substrate, the environment, and the expected service life of the coating system. Economics, surface contamination, and the effect on the substrate will also influence the selection of surface preparation methods.
- C The surface must be dry and in sound condition. Remove oil, dust, dirt, loose rust, peeling paint or other contamination to ensure good adhesion.
- D Remove mildew before painting by washing with a solution of 1 part liquid household bleach and 3 parts of warm water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow the surface to dry 48 hours before painting. Wear protective glasses or goggles, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.
- E No exterior painting should be done immediately after a rain, during foggy weather, when rain is predicted, or when the temperature is below 50°F unless the specified product is designed for the marginal conditions.

F Methods

- 1 Aluminum
Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP1, Solvent Cleaning.
- 2 Block (Cinder and Concrete)
Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement, and hardeners. Concrete and mortar must be cured at least 30 days at 75°F, unless the manufactures products are designed for application prior to the 30-day period. The pH of the surface should be between 6 and 9, unless the products to be used are designed to be used in high pH environments such as Loxon. On tilt-up and poured-in-place concrete, commercial detergents and abrasive blasting may be necessary to prepare the surface. Fill bug holes, air pockets, and other voids with a cement patching compound.
- 3 Concrete, SSPC-SP13 or NACE 6
This standard gives requirements for surface preparation of concrete by mechanical, chemical, or thermal methods prior to the application of bonded protective coating or lining systems. The requirements of this standard are applicable to all types of cementitious surfaces including cast-in-place concrete floors and walls, precast slabs, masonry walls, and shotcrete surfaces. An acceptable prepared concrete surface should be free of contaminants, laitance, loosely adhering concrete, and dust, and should provide a sound, uniform substrate suitable for the application of protective coating or lining systems.
- 4 Cement Composition Siding/Panels
Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Pressure clean, if needed, with a minimum of 2100 psi pressure to remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. The pH of the surface should be between 6 and 9, unless the products to be used are designed to be used in high pH environments such as Loxon.
- 5 Copper and Stainless Steel
Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP 2, Hand Tool Cleaning.
- 6 Drywall—Interior
Must be clean and dry. All nail heads must be set and spackled. Joints must be taped and covered with a joint compound. Spackled nail heads and tape joints must be sanded smooth and all dust removed prior to painting.
- 7 Galvanized Metal
Clean per SSPC-SP1 using detergent and water or a degreasing cleaner to remove greases and oils. Apply a test area, priming as required. Allow the coating to dry at least one week before testing. If adhesion is poor, Brush Blast per SSPC-SP7 is necessary to remove these treatments.
- 8 Plaster
Must be allowed to dry thoroughly for at least 30 days before painting, unless the manufactures products are designed for application prior to the 30-day period. Room must be ventilated while drying; in cold, damp weather, rooms must be heated. Damaged areas must be repaired with an appropriate patching material. Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

- 9 Steel: Structural, Plate, etc.
Should be cleaned by one or more of the ten surface preparations described below. These methods were originally established by the Steel Structures Painting Council in 1952, and are used throughout the world for describing methods for cleaning structural steel. Visual standards are available through the Steel Structures Painting Council; ask for SSPC-VIS 1-89. A brief description of these standards together with numbers by which they can be specified follow.
- 10 Solvent Cleaning, SSPC-SP1
Solvent cleaning is a method for removing all visible oil, grease, soil, drawing and cutting compounds, and other soluble contaminants. Solvent cleaning does not remove rust or mill scale. Change rags and cleaning solution frequently so that deposits of oil and grease are not spread over additional areas in the cleaning process. Be sure to allow adequate ventilation.
- 11 Hand Tool Cleaning, SSPC-SP2
Hand Tool Cleaning removes all loose mill scale, loose rust, and other detrimental foreign matter. It is not intended that adherent mill scale, rust, and paint be removed by this process. Before hand tool cleaning, remove visible oil, grease, soluble welding residues, and salts by the methods outlined in SSPC-SP1.
- 12 Power Tool Cleaning, SSPC-SP3
Power Tool Cleaning removes all loose mill scale, loose rust, and other detrimental foreign matter. It is not intended that adherent mill scale, rust, and paint be removed by this process. Before power tool cleaning, remove visible oil, grease, soluble welding residues, and salts by the methods outlined in SSPC-SP1.
- 13 White Metal Blast Cleaning, SSPC-SP5 or NACE 1
A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods.
- 14 Commercial Blast Cleaning, SSPC-SP6 or NACE 3
A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter, except for staining. Staining shall be limited to no more than 33 percent of each square inch of surface area and may consist of light shadows, slight streaks, or minor discoloration caused by stains of rust, stains of mill scale, or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods.
- 15 Brush-Off Blast Cleaning, SSPC-SP7 or NACE 4
A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust, and loose paint. Tightly adherent mill scale, rust, and paint may remain on the surface. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods.
- 16 Power Tool Cleaning to Bare Metal, SSPC-SP11
Metallic surfaces that are prepared according to this specification, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxide corrosion products, and other foreign matter. Slight residues of rust and paint may be left in the lower portions of pits if the original surface is pitted. Prior to power tool surface preparation, remove visible deposits of oil or grease by any of the methods specified in SSPC-SP1, Solvent Cleaning, or other agreed upon methods.

- 17 Near-White Blast Cleaning, SSPC-SP10 or NACE 2
A Near White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks, or minor discoloration caused by stains of rust, stains of mill scale, or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods.
- 18 High- and Ultra-High Pressure Water Jetting for Steel and Other Hard Materials
SSPC-SP12 or NACE 5
This standard provides requirements for the use of high- and ultra-high pressure water jetting to achieve various degrees of surface cleanliness. This standard is limited in scope to the use of water only without the addition of solid particles in the stream.
- 19 Water Blasting, NACE Standard RP-01-72
Removal of oil grease dirt, loose rust, loose mill scale, and loose paint by water at pressures of 2,000 to 2,500 psi at a flow of 4 to 14 gallons per minute.
- 20 Vinyl Siding, Architectural Plastics, and Fiberglass
Clean thoroughly by scrubbing with a warm, soapy water solution. Rinse thoroughly. Do not paint vinyl siding with any color darker than the original color, unless the manufactures products and colors are designed for such use. Painting with darker colors may cause siding to warp.
- 21 Wood
Must be clean and dry. Prime and paint as soon as possible. Knots and pitch streaks must be scraped, sanded, and spot primed before a full priming coat is applied. Patch all nail holes and imperfections with a wood filler or putty and sand smooth.

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

3.3 INSTALLATION

- A Apply all coatings and materials with manufacture specifications in mind. Mix and thin coatings according to manufacture recommendation.
- B Do not apply to wet or damp surfaces.
 - 1 Wait at least 30 days before applying to new concrete or masonry. Or follow manufacturer's procedures to apply appropriate coatings prior to 30 days.
 - 2 Test new concrete for moisture content.
 - 3 Wait until wood is fully dry after rain , fog or dew.
- C Apply coatings using methods recommended by manufacturer.
- D Uniformly apply coatings without runs, drips, or sags, without brush marks, and with consistent sheen.
- E Apply coatings at spreading rate required to achieve the manufacturers recommended dry film thickness.
- F Regardless of number of coats specified, apply as many coats as necessary for complete hide, and uniform appearance.
- G Inspection: The coated surface must be inspected and approved by the architect or engineer just prior to each coat.

3.4 PROTECTION

- A Protect finished coatings from damage until completion of project.
- B Touch-up damaged coatings after substantial completion, following manufacturer's recommendation for touch up or repair of damaged coatings. Repair any defects that will hinder the performance of the coatings.

3.5.1 SCHEDULES

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| Specifier Note: Cut and paste the coatings system schedule here (specified in section 2.3 PAINT SCHEDULE), Otherwise delete this section. |
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END OF SECTION03262012