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ISSUED February 2018

09 91 23 - INTERIOR

**LEED® v4 BD&C Building Design and Construction
Contributes toward satisfying Indoor Environmental Quality EQ Credit: Low-Emitting Material
California Department of Public Health (CDPH) Method v1.1-2010 & V1.2-2017 Specification
(CA section 01350)**

THE SHERWIN-WILLIAMS COMPANY

COMMERCIAL PAINTING SCHEDULE GUIDE

This LEED® v4 Emissions criteria/CDPH V1.1-2010 & V1.2-2017 Painting Schedule is furnished only as a guide to select interior 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.

As of the date January 31, 2018 the products listed in this guide have been independently certified by UL Environment in accordance with “UL 2818 –GREENGUARD Certification Program for Chemical Emissions for Building Materials, Finishes and Furnishings, ” and/or comply with California Department of Public Health “Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1” (CA Section 01350) & V1.2-2017. For more information, see <https://spot.ulprospector.com>. Building products and Interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.1-2010 & V1.2-2017 using the applicable exposure scenario(s).

Local and National V.O.C. (Volatile Organic Compound) regulations have been taken into consideration, but because these regulations vary greatly around the country and are subject to change, we suggest verifying that product selections meet the requirements of the area in which they are to be used. If the project is located within the OTC, CARB, SCAQMD or other VOC regulated regions, one must comply with the regulations regarding VOCs. It is always recommended that you consult with a LEED® AP or a Sherwin-Williams Company Representative before finalizing the selection.

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

UL/GREENGUARD Certified products are certified to UL/GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com. Certificates can be found on: <https://spot.ulprospector.com>

**The Sherwin-Williams Company
Architectural Services Department
1-800-321-8194 (Telephone)
216-566-1660 (Fax)**

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SECTION 09 91 23

INTERIOR PAINTS AND COATINGS



SHERWIN-WILLIAMS.

Part 1 GENERAL

1.1 SECTION INCLUDES

- A Interior paint and coatings systems

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
- F UL 2818 –GREENGUARD Certification Program for Chemical Emissions for Building Materials
- G California Department of Public Health- CDPH v1.1-2010 & V1.2-2017
- H LEED® v4 EQ Credit: Indoor Environmental Quality-Low Emitting Materials

LEED® v4/CDPH v1.1-2010 & V1.2-2017

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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 Clean-up Information
 - 7. VOCs
- C Selection Samples: Submit a complete set of color chips that represent the full range of manufacturer's color samples available.
- D Coating Maintenance Manual: upon conclusion of the project, the Contractor or paint manufacturer/supplier shall furnish a coating maintenance manual, such as Sherwin-Williams "Custodian Paint Maintenance Manual" report or equal. Manual shall include an Area Summary with finish schedule, Area Detail designating where each product/color/finish was used, product data pages, Safety Data Sheets, care and cleaning instructions, touch-up procedures, and color samples of each color and finish used.

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 manufacturer's name, label, and the following list of information:
 - Product name and type (description)
 - Application & use instructions
 - Surface preparation
 - VOC content
 - Environmental handling
 - 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 manufacturer's instructions. Protect from freezing.
- C Handling: Maintain a clean, dry storage area, to prevent contamination or damage to the coatings.

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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. This specification does not take into consideration wet areas or areas needing high performance coatings.

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) 566-1660
sherwin-williams.com / swgreenspecs.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.
- C Complies with California Department of Health Services' "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers" Version 1.1-2010 (CA section 01350) & V1.2-2017

2.2 APPLICATIONS/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 indicate 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 including Plaster
Masonry - (CMU - Concrete, Split Face, Scored, Smooth, etc.)
Metal - Aluminum/ Galvanized
Metal Ferrous-(Structural Steel, Joists, Trusses, Beams, Misc. & Ornamental Iron)
Wood - Walls, Ceilings, Doors, Trim
Drywall: Drywall board, Gypsum board

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2.3 SCHEDULE INDEX

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1. Latex Systems	
2. Epoxy System	

Index of Data pages

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

UL/GREENGUARD Certifications may be found at www.greenguard.org / <https://spot.ulprospector.com>

Refer to the current EDS for specific VOCs. VOCs may vary by base and sheen.

****NOTES TO SPECIFIER****

- Specify the Harmony line, when a Formaldehyde Reducing* and/or Odor Eliminating* coating option is needed. Formaldehyde Reducing Technology helps improve indoor air quality by reducing VOCs from possible sources like insulation, carpet, cabinets and fabrics. Odor Eliminating Technology helps reduce common indoor odors so rooms stay fresher, longer. *The length of time Harmony actively reduces odors and formaldehyde depends on the concentration, the frequency of exposure and the amount of painted surface area.
- †Paint Shield® Microbicidal Paint is the first EPA-registered paint that kills greater than 99.9% *Staphylococcus aureus* (Staph), *Enterobacter aerogenes*, Methicillin-resistant *Staphylococcus aureus* (MRSA), Vancomycin-resistant *Enterococcus faecalis* (VRE), and *Escherichia coli* (E.coli) within 2 hours of exposure on a painted surface.
- Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned with Pro Industrial Pro-Cryl Universal Primer, B66-1300 Series
- For higher performance on ferrous and non-ferrous handrails and touch objects specify at minimum an epoxy finish for interior use.
- Primers may be optional if the Ceilings - Structural Steel, Joists, Trusses, Beams are already primed. Check for adhesion and compatibility prior to painting. Spot prime any bare areas with Pro Industrial Pro-Cryl Universal Primer, B66-1300 Series
- Specify the Pro Industrial line when higher performance is needed.

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2.3 SCHEDULE

2.3 SCHEDULE

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

1. Latex Systems

a. Gloss Finish

- 1st Coat: S-W Loxon Concrete and Masonry Primer
(200-300 sq ft/gal)
- 2nd Coat: S-W ProMar 200 Zero VOC Latex Gloss, B21-12600 Series
- 3rd Coat: S-W ProMar 200 Zero VOC Latex Gloss, B21-12600 Series
(4 mils wet, 1.4 mils dry per coat)

Alternate:

- 1st Coat: S-W Loxon Concrete and Masonry Primer
(200-300 sq ft/gal)
- 2nd Coat: S-W Pro Industrial™ Acrylic Gloss, B66-600 Series
- 3rd Coat: S-W Pro Industrial™ Acrylic Gloss, B66-600 Series
(2-4 mils dry per coat)

b. Semi-Gloss Finish

- 1st Coat: S-W Loxon Concrete and Masonry Primer
(200-300 sq ft/gal)
- 2nd Coat: S-W ProMar® 200 Zero VOC Latex Semi-Gloss, B31-2600 Series
- 3rd Coat: S-W ProMar® 200 Zero VOC Latex Semi-Gloss, B31-2600 Series
(4 mils wet, 1.5 mils dry per coat)

Alternate:

- 1st Coat: S-W Loxon Concrete and Masonry Primer
(200-300 sq ft/gal)
- 2nd Coat: S-W Harmony® Interior Latex Semi-Gloss, B10 Series
- 3rd Coat: S-W Harmony® Interior Latex Semi-Gloss, B10 Series
(4 mils wet, 1.7 mils dry per coat)

Alternate:

- 1st Coat: S-W Loxon Concrete and Masonry Primer
(200-300 sq ft/gal)
- 2nd Coat: S-W Pro Industrial™ Acrylic Semi-Gloss, B66-650 Series
- 3rd Coat: S-W Pro Industrial™ Acrylic Semi-Gloss, B66-650 Series
(2-4 mils dry per coat)

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

1. Latex Systems

c. Eg-Shel Finish

- 1st Coat: S-W Loxon Concrete and Masonry Primer
(200-300 sq ft/gal)
- 2nd Coat: S-W ProMar 200 Zero VOC Latex Eg-Shel, B20-12600 Series
- 3rd Coat: S-W ProMar 200 Zero VOC Latex Eg-Shel, B20-12600 Series
(4 mils wet, 1.7 mils dry per coat)

Alternate:

- 1st Coat: S-W Loxon Concrete and Masonry Primer
(200-300 sq ft/gal)
- 2nd Coat: S-W ProMar 200 HP Zero VOC Latex Eg-Shel, B20-1900 Series
- 3rd Coat: S-W ProMar 200 HP Zero VOC Latex Eg-Shel, B20-1900 Series
(4 mils wet, 1.7 mils dry per coat)

Alternate:

- 1st Coat: S-W Loxon Concrete and Masonry Primer
(200-300 sq ft/gal)
- 2nd Coat: S-W Harmony Interior Latex Eg-Shel, B9 Series
- 3rd Coat: S-W Harmony Interior Latex Eg-Shel, B9 Series
(4 mils wet, 1.7 mils dry per coat)

Alternate:

- 1st Coat: S-W Loxon Concrete and Masonry Primer
(200-300 sq ft/gal)
- 2nd Coat: S-W Pro Industrial™ Acrylic Eg-Shel, B66-660 Series
- 3rd Coat: S-W Pro Industrial™ Acrylic Eg-Shel, B66-660 Series
(2-4 mils dry per coat)

Microbical† Finish

- 1st Coat: S-W Loxon Concrete and Masonry Primer
(200-300 sq ft/gal)
- 2nd Coat: S-W Paint Shield® Interior Latex Eg-Shel, D12W00051
- 3rd Coat: S-W Paint Shield® Interior Latex Eg-Shel, D12W00051
(4 mils wet, 1.8 mils dry per coat)

** NOTE TO SPECIFIER** †Paint Shield® Microbical Paint is the first EPA-registered paint that kills greater than 99.9% *Staphylococcus aureus* (Staph), *Enterobacter aerogenes*, Methicillin-resistant *Staphylococcus aureus* (MRSA), Vancomycin-resistant *Enterococcus faecalis* (VRE), and *Escherichia coli* (E.coli) within 2 hours of exposure on a painted surface.

d. Low Sheen/Low Gloss Finish

- 1st Coat: S-W Loxon Concrete and Masonry Primer
(200-300 sq ft/gal)
- 2nd Coat: S-W ProMar 200 Zero VOC Latex Low Gloss Eg-Shel, B41-2600 Series
- 3rd Coat: S-W ProMar 200 Zero VOC Latex Low Gloss Eg-Shel, B41-2600 Series
(4 mils wet, 1.6 mils dry per coat)

Alternate:

- 1st Coat: S-W Loxon Concrete and Masonry Primer
(200-300 sq ft/gal)
- 2nd Coat: S-W ProMar 200 HP Zero VOC Latex Low Gloss Eg-Shel, B41-1900 Series
- 3rd Coat: S-W ProMar 200 HP Zero VOC Latex Low Gloss Eg-Shel, B41-1900 Series
(4 mils wet, 1.7 mils dry per coat)

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

1. Latex Systems

- e. Flat Finish
1st Coat: S-W Loxon Concrete and Masonry Primer
(200-300 sq ft/gal)
2nd Coat: S-W ProMar 200 Zero VOC Latex Flat, B30-12600 Series
3rd Coat: S-W ProMar 200 Zero VOC Latex Flat, B30-12600 Series
(4 mils wet, 1.4 mils dry per coat)

Alternate:

- 1st Coat: S-W Loxon Concrete and Masonry Primer
(200-300 sq ft/gal)
2nd Coat: S-W Harmony Interior Latex Flat, B5 Series
3rd Coat: S-W Harmony Interior Latex Flat, B5 Series
(4 mils wet, 1.7 mils dry per coat)

2. Epoxy System

- a. Gloss Finish
1st Coat: S-W Pro Industrial Water Based Catalyzed Epoxy Gloss, B73-300 Series
2nd Coat: S-W Pro Industrial Water Based Catalyzed Epoxy Gloss, B73-300 Series
(2 - 5 mils dry per coat)
- b. Eg-Shel Finish
1st Coat: S-W Pro Industrial Water Based Catalyzed Epoxy Eg-Shel, B73-360 Series
2nd Coat: S-W Pro Industrial Water Based Catalyzed Epoxy Eg-Shel, B73-360 Series
(2 - 5 mils dry per coat)

3. Dryfall Waterborne Topcoat

- a. Semi-Gloss Finish
1st Coat: S-W Pro Industrial Waterborne Acrylic Dryfall Semi-Gloss, B42-83
2nd Coat: S-W Pro Industrial Waterborne Acrylic Dryfall Semi-Gloss, B42-83
(6 mils wet, 2.3 mils dry)
- b. Eg-Shel Finish
1st Coat: S-W Pro Industrial Waterborne Acrylic Dryfall Eg-Shel, B42-82
2nd Coat: S-W Pro Industrial Waterborne Acrylic Dryfall Eg-Shel, B42-82
(6 mils wet, 2 mils dry)
- c. Flat Finish
1st Coat: S-W Pro Industrial Waterborne Acrylic Dryfall Flat, B42-81/181 Series
2nd Coat: S-W Pro Industrial Waterborne Acrylic Dryfall Flat, B42-81/181 Series
(6 mils wet, 1.5 mils dry)

**B. MASONRY - (CMU - Concrete, Split Face, Scored, Smooth, High /Low Density, Fluted)
(non-wet area)**

1. Latex Systems

a. Gloss Finish

- 1st Coat: S-W Pro Industrial Heavy Duty Block Filler, B42-150
(75-100 sq ft/gal)
2nd Coat: S-W ProMar 200 Zero VOC Latex Gloss, B21-12600 Series
3rd Coat: S-W ProMar 200 Zero VOC Latex Gloss, B21-12600 Series
(4 mils wet, 1.4 mils dry per coat)

Alternate:

- 1st Coat: S-W Pro Industrial Heavy Duty Block Filler, B42-150
(75-100 sq ft/gal)
2nd Coat: S-W Pro Industrial™ Acrylic Gloss, B66-600 Series
3rd Coat: S-W Pro Industrial™ Acrylic Gloss, B66-600 Series
(2-4 mils dry per coat)

b. Semi-Gloss Finish

- 1st Coat: S-W Pro Industrial Heavy Duty Block Filler, B42-150
(75-100 sq ft/gal)
2nd Coat: S-W ProMar 200 Zero VOC Latex Semi-Gloss, B31-2600 Series
3rd Coat: S-W ProMar 200 Zero VOC Latex Semi-Gloss, B31-2600 Series
(4 mils wet, 1.5 mils dry per coat)

Alternate:

- 1st Coat: S-W Pro Industrial Heavy Duty Block Filler, B42-150
(75-100 sq ft/gal)
2nd Coat: S-W Harmony Interior Latex Semi-Gloss, B10 Series
3rd Coat: S-W Harmony Interior Latex Semi-Gloss, B10 Series
(4 mils wet, 1.7 mils dry per coat)

Alternate:

- 1st Coat: S-W Pro Industrial Heavy Duty Block Filler, B42-150
(75-100 sq ft/gal)
2nd Coat: S-W Pro Industrial™ Acrylic Semi-Gloss, B66-650 Series
3rd Coat: S-W Pro Industrial™ Acrylic Semi-Gloss, B66-650 Series
(2-4 mils dry per coat)

**B. MASONRY - (CMU - Concrete, Split Face, Scored, Smooth, High /Low Density, Fluted)
(non-wet area)**

c. Eg-Shel Finish

- 1st Coat: S-W Pro Industrial Heavy Duty Block Filler, B42-150
(75-100 sq ft/gal)
- 2nd Coat: S-W ProMar 200 Zero VOC Latex Eg-Shel, B20-12600 Series
- 3rd Coat: S-W ProMar 200 Zero VOC Latex Eg-Shel, B20-12600 Series
(4 mils wet, 1.7 mils dry per coat)

Alternate:

- 1st Coat: S-W Pro Industrial Heavy Duty Block Filler, B42-150
(75-100 sq ft/gal)
- 2nd Coat: S-W ProMar 200 HP Zero VOC Latex Eg-Shel, B20-1900 Series
- 3rd Coat: S-W ProMar 200 HP Zero VOC Latex Eg-Shel, B20-1900 Series
(4 mils wet, 1.7 mils dry per coat)

Alternate:

- 1st Coat: S-W Pro Industrial Heavy Duty Block Filler, B42-150
(75-100 sq ft/gal)
- 2nd Coat: S-W Harmony Interior Latex Eg-Shel, B9 Series
- 3rd Coat: S-W Harmony Interior Latex Eg-Shel, B9 Series
(4 mils wet, 1.7 mils dry per coat)

Alternate:

- 1st Coat: S-W Pro Industrial Heavy Duty Block Filler, B42-150
(75-100 sq ft/gal)
- 2nd Coat: S-W Pro Industrial™ Acrylic Eg-Shel, B66-660 Series
- 3rd Coat: S-W Pro Industrial™ Acrylic Eg-Shel, B66-660 Series
(2-4 mils dry per coat)

Microbical† Finish

- 1st Coat: S-W Pro Industrial Heavy Duty Block Filler, B42-150
(75-100 sq ft/gal)
- 2nd Coat: S-W Paint Shield® Interior Latex Eg-Shel, D12W00051
- 3rd Coat: S-W Paint Shield® Interior Latex Eg-Shel, D12W00051
(4 mils wet, 1.8 mils dry per coat)

** NOTE TO SPECIFIER** †Paint Shield® Microbical Paint is the first EPA-registered paint that kills greater than 99.9% *Staphylococcus aureus* (Staph), *Enterobacter aerogenes*, Methicillin-resistant *Staphylococcus aureus* (MRSA), Vancomycin-resistant *Enterococcus faecalis* (VRE), and *Escherichia coli* (E.coli) within 2 hours of exposure on a painted surface.

d. Low Sheen/Low Gloss Finish

- 1st Coat: S-W Pro Industrial Heavy Duty Block Filler, B42-150
(75-100 sq ft/gal)
- 2nd Coat: S-W ProMar 200 Zero VOC Latex Low Gloss Eg-Shel, B41-2600 Series
- 3rd Coat: S-W ProMar 200 Zero VOC Latex Low Gloss Eg-Shel, B41-2600 Series
(4 mils wet, 1.6 mils dry per coat)

Alternate:

- 1st Coat: S-W Pro Industrial Heavy Duty Block Filler, B42-150
(75-100 sq ft/gal)
- 2nd Coat: S-W ProMar 200 HP Zero VOC Latex Low Gloss Eg-Shel, B41-1900 Series
- 3rd Coat: S-W ProMar 200 HP Zero VOC Latex Low Gloss Eg-Shel, B41-1900 Series
(4 mils wet, 1.7 mils dry per coat)

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**B. MASONRY - (CMU - Concrete, Split Face, Scored, Smooth, High /Low Density, Fluted)
(non-wet area)**

e. Flat Finish

- 1st Coat: S-W Pro Industrial Heavy Duty Block Filler, B42-150
(75-100 sq ft/gal)
- 2nd Coat: S-W ProMar 200 Zero VOC Latex Flat, B30-12600 Series
- 3rd Coat: S-W ProMar 200 Zero VOC Latex Flat, B30-12600 Series
(4 mils wet, 1.4 mils dry per coat)

Alternate:

- 1st Coat: S-W Pro Industrial Heavy Duty Block Filler, B42-150
(75-100 sq ft/gal)
- 2nd Coat: S-W Harmony Interior Latex Flat, B5 Series
- 3rd Coat: S-W Harmony Interior Latex Flat, B5 Series
(4 mils wet, 1.7 mils dry per coat)

2. Epoxy System (Water Base)

a. Gloss Finish

- 1st Coat: S-W Pro Industrial Heavy Duty Block Filler, B42-150
(75-100 sq ft/gal)
- 2nd Coat: S-W Pro Industrial Water Based Catalyzed Epoxy Gloss, B73-300 Series
- 3rd Coat: S-W Pro Industrial Water Based Catalyzed Epoxy Gloss, B73-300 Series
(2 - 5 mils dry per coat)

b. Eg-Shel Finish

- 1st Coat: S-W Pro Industrial Heavy Duty Block Filler, B42-150
(75-100 sq ft/gal)
- 2nd Coat: S-W Pro Industrial Water Based Catalyzed Epoxy Eg-Shel, B73-360 Series
- 3rd Coat: S-W Pro Industrial Water Based Catalyzed Epoxy Eg-Shel, B73-360 Series
(2 - 5 mils dry per coat)

C. METAL - Aluminum/ Galvanized

1. Latex Systems

a. Gloss Finish

1st Coat: S-W Pro Industrial™ Acrylic Gloss, B66-600 Series
2nd Coat: S-W Pro Industrial™ Acrylic Gloss, B66-600 Series
(2-4 mils dry per coat)

Alternate:

1st Coat: S-W Pro Industrial™ Pro-Cryl® Universal Primer Off White, B66-1300 Series
(5-10 mils wet, 1.9-3.8 mils dry)
2nd Coat: S-W ProMar 200 Zero VOC Latex Gloss, B21-12600 Series
3rd Coat: S-W ProMar 200 Zero VOC Latex Gloss, B21-12600 Series
(4 mils wet, 1.4 mils dry per coat)

b. Semi-Gloss Finish

1st Coat: S-W Pro Industrial™ Acrylic Semi-Gloss, B66-650 Series
2nd Coat: S-W Pro Industrial™ Acrylic Semi-Gloss, B66-650 Series
(2-4 mils dry per coat)

Alternate:

1st Coat: S-W Pro Industrial™ Pro-Cryl® Universal Primer Off White, B66-1300 Series
(5-10 mils wet, 1.9-3.8 mils dry)
2nd Coat: S-W Harmony Interior Latex Semi-Gloss, B10 Series
3rd Coat: S-W Harmony Interior Latex Semi-Gloss, B10 Series
(4 mils wet, 1.7 mils dry per coat)

Alternate:

1st Coat: S-W Pro Industrial™ Pro-Cryl® Universal Primer Off White, B66-1300 Series
(5-10 mils wet, 1.9-3.8 mils dry)
2nd Coat: S-W ProMar 200 Zero VOC Latex Semi-Gloss, B31-2600 Series
3rd Coat: S-W ProMar 200 Zero VOC Latex Semi-Gloss, B31-2600 Series
(4 mils wet, 1.5 mils dry per coat)

c. Eg-Shel Finish

1st Coat: S-W Pro Industrial™ Acrylic Eg-Shel, B66-660 Series
2nd Coat: S-W Pro Industrial™ Acrylic Eg-Shel, B66-660 Series
(2-4 mils dry per coat)

d. Flat Finish

1st Coat: S-W Pro Industrial™ DTM Acrylic Primer/Finish, B66-11
2nd Coat: S-W Pro Industrial™ DTM Acrylic Primer/Finish, B66-11
(5-10 mils wet, 1.9-3.9 mils dry)

Alternate:

1st Coat: S-W Pro Industrial™ Pro-Cryl® Universal Primer Off White, B66-1300 Series
(5-10 mils wet, 1.9-3.8 mils dry)
2nd Coat: S-W Harmony Interior Latex Flat, B5 Series
3rd Coat: S-W Harmony Interior Latex Flat, B5 Series
(4 mils wet, 1.7 mils dry per coat)

C. METAL - Aluminum/ Galvanized (Cont.)

2. Epoxy System — Higher Performing Finish (Including Handrails)

a. Gloss Finish

- 1st Coat: S-W Pro Industrial™ Pro-Cryl® Universal Primer Off White, B66-1300 Series (5-10 mils wet, 1.9-3.8 mils dry)
- 2nd Coat: S-W Pro Industrial Water Based Catalyzed Epoxy Gloss, B73-300 Series
- 3rd Coat: S-W Pro Industrial Water Based Catalyzed Epoxy Gloss, B73-300 Series (2 - 5 mils dry per coat)

b. Eg-Shel Finish

- 1st Coat: S-W Pro Industrial™ Pro-Cryl® Universal Primer Off White, B66-1300 Series (5-10 mils wet, 1.9-3.8 mils dry)
- 2nd Coat: S-W Pro Industrial Water Based Catalyzed Epoxy Eg-Shel, B73-360 Series
- 3rd Coat: S-W Pro Industrial Water based Catalyzed Epoxy Eg-Shel, B73-360 Series (2 - 5 mils dry per coat)

3. Dryfall Waterborne Topcoat- (Galvanized; Ceilings, Duct work)

a. Semi-Gloss Finish

- 1st Coat: S-W Pro Industrial Waterborne Acrylic Dryfall Semi-Gloss, B42-83
- 2nd Coat: S-W Pro Industrial Waterborne Acrylic Dryfall Semi-Gloss, B42-83 (6 mils wet, 2.3 mils dry)

b. Eg-Shel Finish

- 1st Coat: S-W Pro Industrial Waterborne Acrylic Dryfall Eg-Shel, B42-82
- 2nd Coat: S-W Pro Industrial Waterborne Acrylic Dryfall Eg-Shel, B42-82 (6 mils wet, 2 mils dry)

c. Flat Finish

- 1st Coat: S-W Pro Industrial Waterborne Acrylic Dryfall Flat, B42-81/181 Series
- 2nd Coat: S-W Pro Industrial Waterborne Acrylic Dryfall Flat, B42-81/181 Series (6 mils wet, 1.5 mils dry)

D. METAL Ferrous- (Structural Steel Columns, Joists, Trusses, Beams, Miscellaneous & Ornamental Iron, Structural Iron)

1. Latex Systems

- a. Gloss Finish
 - 1st Coat: S-W Pro Industrial™ Pro-Cryl® Universal Primer Off White, B66-1300 Series (5-10 mils wet, 1.9-3.8 mils dry)
 - 2nd Coat: S-W Pro Industrial™ Acrylic Gloss, B66-600 Series
 - 3rd Coat: S-W Pro Industrial™ Acrylic Gloss, B66-600 Series (2-4 mils dry per coat)

- b. Semi-Gloss Finish
 - 1st Coat: S-W Pro Industrial™ Pro-Cryl® Universal Primer Off White, B66-1300 Series (5-10 mils wet, 1.9-3.8 mils dry)
 - 2nd Coat: S-W Pro Industrial™ Acrylic Semi-Gloss, B66-650 Series
 - 3rd Coat: S-W Pro Industrial™ Acrylic Semi-Gloss, B66-650 Series (2 - 4 mils dry per coat)

- c. Eg-Shel Finish
 - 1st Coat: S-W Pro Industrial™ Pro-Cryl® Universal Primer Off White, B66-1300 Series (5-10 mils wet, 1.9-3.8 mils dry)
 - 2nd Coat: S-W Pro Industrial™ Acrylic Eg-Shel, B66-660 Series
 - 3rd Coat: S-W Pro Industrial™ Acrylic Eg-Shel, B66-660 Series (2 - 4 mils dry per coat)

- d. Flat Finish
 - 1st Coat: S-W Pro Industrial™ DTM Acrylic Primer/Finish, B66-11
 - 2nd Coat: S-W Pro Industrial™ DTM Acrylic Primer/Finish, B66-11 (5-10 mils wet, 1.9-3.9 mils dry)

- D. METAL Ferrous- (Structural Steel Columns, Joists, Trusses, Beams, Miscellaneous & Ornamental Iron, Structural Iron) (Cont.)**
- 2. Epoxy System— Higher Performing Finish (Including Handrails)**
- a. Gloss Finish
- 1st Coat: S-W Pro Industrial™ Pro-Cryl® Universal Primer Off White, B66-1300 Series (5-10 mils wet, 1.9-3.8 mils dry)
- 2nd Coat: S-W Pro Industrial Water Based Catalyzed Epoxy Gloss, B73-300 Series
- 3rd Coat: S-W Pro Industrial Water Based Catalyzed Epoxy Gloss, B73-300 Series (2 - 5 mils dry per coat)
- b. Eg-Shel Finish
- 1st Coat: S-W Pro Industrial™ Pro-Cryl® Universal Primer Off White, B66-1300 Series (5-10 mils wet, 1.9-3.8 mils dry)
- 2nd Coat: S-W Pro Industrial Water Based Catalyzed Epoxy Eg-Shel, B73-360 Series
- 3rd Coat: S-W Pro Industrial Water Based Catalyzed Epoxy Eg-Shel, B73-360 Series (2 - 5 mils dry per coat)
- 3. Dryfall Waterborne Topcoats**
- a. Semi-Gloss Finish
- 1st Coat: S-W Pro Industrial™ Pro-Cryl® Universal Primer Off White, B66-1300 Series (5-10 mils wet, 1.9-3.8 mils dry)
- 2nd Coat: S-W Pro Industrial Waterborne Acrylic Dryfall Semi-Gloss, B42-83
- 3rd Coat: Optional (6 mils wet, 2.3 mils dry)
- b. Eg-Shel Finish
- 1st Coat: S-W Pro Industrial™ Pro-Cryl® Universal Primer Off White, B66-1300 Series (5-10 mils wet, 1.9-3.8 mils dry)
- 2nd Coat: S-W Pro Industrial Waterborne Acrylic Dryfall Eg-Shel, B42-82
- 3rd Coat: Optional (6.0 mils wet, 2 mils dry)
- c. Flat Finish
- 1st Coat: S-W Pro Industrial™ Pro-Cryl® Universal Primer Off White, B66-1300 Series (5-10 mils wet, 1.9-3.8 mils dry)
- 2nd Coat: S-W Pro Industrial Waterborne Acrylic Dryfall Flat, B42-81/181 Series
- 3rd Coat: Optional (6.0 mils wet, 1.5 mils dry)

E. WOOD - (Walls, Ceilings, Doors, Trim)

1. Latex Systems

a. Gloss Finish

- 1st Coat: S-W Multi-Purpose Latex Primer/Sealer, B51 Series
(4 mils wet, 1.4 mils dry)
- 2nd Coat: S-W Pro Industrial™ Acrylic Gloss, B66-600 Series
- 3rd Coat: S-W Pro Industrial™ Acrylic Gloss, B66-600 Series
(2-4 mils dry per coat)

Alternate:

- 1st Coat: S-W Multi-Purpose Latex Primer/Sealer, B51 Series
(4 mils wet, 1.4 mils dry)
- 2nd Coat: S-W ProMar 200 Zero VOC Latex Gloss, B21-12600 Series
- 3rd Coat: S-W ProMar 200 Zero VOC Latex Gloss, B21-12600 Series
(4 mils wet, 1.4 mils dry per coat)

b. Semi-Gloss Finish

- 1st Coat: S-W Multi-Purpose Latex Primer/Sealer, B51 Series
(4 mils wet, 1.4 mils dry)
- 2nd Coat: S-W Pro Industrial™ Acrylic Semi-Gloss, B66-650 Series
- 3rd Coat: S-W Pro Industrial™ Acrylic Semi-Gloss, B66-650 Series
(2-4 mils dry per coat)

Alternate:

- 1st Coat: S-W Multi-Purpose Latex Primer/Sealer, B51 Series
(4 mils wet, 1.4 mils dry)
- 2nd Coat: S-W ProMar 200 Zero VOC Latex Semi-Gloss, B31-2600 Series
- 3rd Coat: S-W ProMar 200 Zero VOC Latex Semi-Gloss, B31-2600 Series
(4 mils wet, 1.5 mils dry per coat)

c. Eg-Shel Finish

- 1st Coat: S-W Multi-Purpose Latex Primer/Sealer, B51 Series
(4 mils wet, 1.4 mils dry)
- 2nd Coat: S-W Pro Industrial Acrylic Eg-Shel, B66-660 Series
- 3rd Coat: S-W Pro Industrial Acrylic Eg-Shel, B66-660 Series
(2-4 mils dry per coat)

Alternate:

- 1st Coat: S-W Pro Industrial Heavy Duty Block Filler, B42-150
(75-100 sq ft/gal)
- 2nd Coat: S-W ProMar 200 Zero VOC Latex Eg-Shel, B20-12600 Series
- 3rd Coat: S-W ProMar 200 Zero VOC Latex Eg-Shel, B20-12600 Series
(4 mils wet, 1.7 mils dry per coat)

Microbicial† Finish

- 1st Coat: S-W Multi-Purpose Latex Primer/Sealer, B51 Series
(4 mils wet, 1.4 mils dry)
- 2nd Coat: S-W Paint Shield® Interior Latex Eg-Shel, D12W00051
- 3rd Coat: S-W Paint Shield® Interior Latex Eg-Shel, D12W00051
(4 mils wet, 1.8 mils dry per coat)

**** NOTE TO SPECIFIER**** Paint Shield® Microbicial Paint is the first EPA-registered paint that kills greater than 99.9% *Staphylococcus aureus* (Staph), *Enterobacter aerogenes*, Methicillin-resistant *Staphylococcus aureus* (MRSA), Vancomycin-resistant *Enterococcus faecalis* (VRE), and *Escherichia coli* (E.coli) within 2 hours of exposure on a painted surface.

F. DRYWALL - (Walls, Ceilings, Gypsum Board, etc.)

1. Latex Systems

a. Gloss Finish

- 1st Coat: S-W ProMar 200 Zero VOC Interior Latex Primer, B28-2600
(4 mils wet, 1.0 mils dry)
- 2nd Coat: S-W ProMar 200 Zero VOC Latex Gloss, B21-12600 Series
- 3rd Coat: S-W ProMar 200 Zero VOC Latex Gloss, B21-12600 Series
(4 mils wet, 1.4 mils dry per coat)

Alternate:

- 1st Coat: S-W ProMar 200 Zero VOC Interior Latex Primer, B28-2600
(4 mils wet, 1.0 mils dry)
- 2nd Coat: S-W Pro Industrial™ Acrylic Gloss, B66-600 Series
- 3rd Coat: S-W Pro Industrial™ Acrylic Gloss, B66-600 Series
(2-4 mils dry per coat)

b. Semi-Gloss Finish

- 1st Coat: S-W ProMar 200 Zero VOC Interior Latex Primer, B28-2600
(4 mils wet, 1.0 mils dry)
- 2nd Coat: S-W ProMar 200 Zero VOC Latex Semi-Gloss, B31-2600 Series
- 3rd Coat: S-W ProMar 200 Zero VOC Latex Semi-Gloss, B31-2600 Series
(4 mils wet, 1.5 mils dry per coat)

Alternate:

- 1st Coat: S-W Harmony Interior Latex Primer, B11
(4 mils wet, 1.3 mils dry)
- 2nd Coat: S-W Harmony Interior Latex Semi-Gloss, B10 Series
- 3rd Coat: S-W Harmony Interior Latex Semi-Gloss, B10 Series
(4 mils wet, 1.7 mils dry per coat)

Alternate:

- 1st Coat: S-W ProMar 200 Zero VOC Interior Latex Primer, B28-2600
(4 mils wet, 1.0 mils dry)
- 2nd Coat: S-W Pro Industrial Acrylic Semi-Gloss, B66-650 Series
- 3rd Coat: S-W Pro Industrial Acrylic Semi-Gloss, B66-650 Series
(2-4 mils dry per coat)

F. DRYWALL - (Walls, Ceilings, Gypsum Board, etc.)

1. Latex Systems

c. Eg-Shel Finish

- 1st Coat: S-W ProMar 200 Zero VOC Interior Latex Primer, B28-2600
(4 mils wet, 1.0 mils dry)
- 2nd Coat: S-W ProMar 200 Zero VOC Latex Eg-Shel, B20-12600 Series
- 3rd Coat: S-W ProMar 200 Zero VOC Latex Eg-Shel, B20-12600 Series
(4 mils wet, 1.7 mils dry per coat)

Alternate:

- 1st Coat: S-W ProMar 200 Zero VOC Interior Latex Primer, B28-2600
(4 mils wet, 1.0 mils dry)
- 2nd Coat: S-W ProMar 200 HP Zero VOC Latex Eg-Shel, B20-1900 Series
- 3rd Coat: S-W ProMar 200 HP Zero VOC Latex Eg-Shel, B20-1900 Series
(4 mils wet, 1.7 mils dry per coat)

- 1st Coat: S-W Harmony Interior Latex Primer, B11
(4 mils wet, 1.3 mils dry)
- 2nd Coat: S-W Harmony Interior Latex Eg-Shel, B9 Series
- 3rd Coat: S-W Harmony Interior Latex Eg-Shel, B9 Series
(4 mils wet, 1.7 mils dry per coat)

Alternate:

- 1st Coat: S-W ProMar 200 Zero VOC Interior Latex Primer, B28-2600
(4 mils wet, 1.0 mils dry)
- 2nd Coat: S-W Pro Industrial Acrylic Eg-Shel, B66-660 Series
- 3rd Coat: S-W Pro Industrial Acrylic Eg-Shel, B66-660 Series
(2-4 mils dry per coat)

Microbicial[†] Finish

- 1st Coat: S-W Harmony Interior Latex Primer, B11
(4 mils wet, 1.3 mils dry)
- 2nd Coat: S-W Paint Shield[®] Interior Latex Eg-Shel, D12W00051
- 3rd Coat: S-W Paint Shield[®] Interior Latex Eg-Shel, D12W00051
(4 mils wet, 1.8 mils dry per coat)

**** NOTE TO SPECIFIER**** †Paint Shield[®] Microbicial Paint is the first EPA-registered paint that kills greater than 99.9% *Staphylococcus aureus* (Staph), *Enterobacter aerogenes*, Methicillin-resistant *Staphylococcus aureus* (MRSA), Vancomycin-resistant *Enterococcus faecalis* (VRE), and *Escherichia coli* (E.coli) within 2 hours of exposure on a painted surface.

d. Low Sheen/Low Gloss Finish

- 1st Coat: S-W ProMar 200 Zero VOC Interior Latex Primer, B28-2600
(4 mils wet, 1.0 mils dry)
- 2nd Coat: S-W ProMar 200 Zero VOC Latex Low Gloss, B41-2600 Series
- 3rd Coat: S-W ProMar 200 Zero VOC Latex Low Gloss, B41-2600 Series
(4 mils wet, 1.6 mils dry per coat)

Alternate:

- 1st Coat: S-W ProMar 200 Zero VOC Interior Latex Primer, B28-2600
(4 mils wet, 1.0 mils dry)
- 2nd Coat: S-W ProMar 200 HP Zero VOC Latex Low Gloss Eg-Shel, B41-1900 Series
- 3rd Coat: S-W ProMar 200 HP Zero VOC Latex Low Gloss Eg-Shel, B41-1900 Series
(4 mils wet, 1.7 mils dry per coat)

F. DRYWALL - (Walls, Ceilings, Gypsum Board, etc.) (Cont.)

1. Latex Systems

e. Flat Finish

- 1st Coat: S-W ProMar 200 Zero VOC Interior Latex Primer, B28-2600
(4 mils wet, 1.0 mils dry)
- 2nd Coat: S-W ProMar 200 Zero VOC Latex Flat, B30-12600 Series
- 3rd Coat: S-W ProMar 200 Zero VOC Latex Flat, B30-12600 Series
(4 mils wet, 1.4 mils dry per coat)

Alternate:

- 1st Coat: S-W Harmony Interior Latex Primer, B11
(4 mils wet, 1.3 mils dry)
- 2nd Coat: S-W Harmony Interior Latex Flat, B5 Series
- 3rd Coat: S-W Harmony Interior Latex Flat, B5 Series
(4 mils wet, 1.7 mils dry per coat)

Alternate:

- 1st Coat: S-W ProMar 200 Zero VOC Interior Latex Primer, B28-2600
(4 mils wet, 1.0 mils dry)
- 2nd Coat: S-W Pro Industrial™ DTM Acrylic Primer/Finish, B66-11
- 3rd Coat: S-W Pro Industrial™ DTM Acrylic Primer/Finish, B66-11
(5-10 mils wet, 1.9-3.9 mils dry)

2. Epoxy System

a. Gloss Finish

- 1st Coat: S-W ProMar 200 Zero VOC Interior Latex Primer, B28-2600
(4 mils wet, 1.0 mils dry)
- 2nd Coat: S-W Pro Industrial Water Based Catalyzed Epoxy Gloss, B73-300 Series
- 3rd Coat: S-W Pro Industrial Water Based Catalyzed Epoxy Gloss, B73-300 Series
(2 - 5 mils dry per coat)

b. Eg-Shel Finish

- 1st Coat: S-W ProMar 200 Zero VOC Interior Latex Primer, B28-2600
(4 mils wet, 1.0 mils dry)
- 2nd Coat: S-W Pro Industrial Water Based Catalyzed Epoxy Eg-Shel, B73-360 Series
- 3rd Coat: S-W Pro Industrial Water Based Catalyzed Epoxy Eg-Shel, B73-360 Series
(2 - 5 mils dry per coat)

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 a procedure is specifically described in manufacturer's product instructions. VOC numbers used in this document need to be confirmed by using the products EDS sheets.
 - 2 Requirements:
Complies with California Department of Health Services' "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers" Version 1.1-2010 & V1.2-2017
- 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.
- D Previously Painted Surfaces: Verify that existing painted surfaces do not contain lead based paints, notify Architect immediately if lead based paints are encountered.

(Specifier Note: Verify the existence of lead based paints on the project. Buildings constructed after 1978 are less likely to contain lead based paints. If lead based paints are suspected on the project, all removal must be done in accordance with the EPA Renovation, Repair and Painting rule and all applicable state and local regulations. State and local regulations may be more strict than those set under the federal regulations. Verify that Owner has completed a Hazardous Material Assessment Report for the project prior to issuing of Drawings. Concluding that no lead based paints were found on project site, delete paragraph regarding lead based paints.)

3.2 SURFACE PREPARATION

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. Removal must be done in accordance with EPA Renovation, Repair and Painting Rule and all related state and local regulations. Care should be taken to follow all state and local regulations which may be more strict than those set under the federal RRP Rule.

- 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. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.
- D Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised. Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, 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 painting should take place when the interior temperature is below 50°F unless the specified product is designed for these 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, and moisture content must be 15% or lower. 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. Masonry surfaces must be dry before priming.

- 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 are designed to be used in high pH environments.
- 5 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.
- 6 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-SP16 is necessary to remove these treatments.
- 7 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.
- 8 Steel: Structural, Plate, etc.
Should be cleaned by one or more of the surface preparations described below. These methods are used throughout the world for describing methods for cleaning structural steel. Visual standards are available through the Society of Protective Coatings. A brief description of these standards together with numbers by which they can be specified follow.
- 9 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.
- 10 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 or other agreed upon methods

- 11 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 or other agreed upon methods.
- 12 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 (33%) 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.
- 13 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.
- 14 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.
- 15 Wood
Must be clean and dry. 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.

3.3 INSTALLATION

- A Apply all coatings and materials with the manufacturer's specifications in mind. Mix and thin coatings according to manufacturer's 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
- 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 manufacturer's recommended dry film thickness.
- F Regardless of number of coats specified, apply as many coats as necessary for complete hide.
- G Inspection: The coated surface must be inspected and approved by the Architect or Engineer just prior to the application of each coat.

3.4 PROTECTION

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

3.5 SCHEDULES

Specifier Note: Cut and paste the coatings system schedule here (specified in section 2.3 INTERIOR PAINT SCHEDULE), otherwise delete this section.
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END OF SECTION02012018

The products listed on this page have been independently certified by UL Environment in accordance with “UL 2818 – GREENGUARD Certification Program for Chemical Emissions for Building Materials, Finishes and Furnishings, ” and/or comply with California Department of Public Health “Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1” (CA Section 01350) & V1.2-2017. For more information, see <https://spot.ulprospector.com>.

LEED® v4 New Construction, Core and Shell, Schools, Healthcare, Hospitality Contributes toward satisfying EQ CREDIT: INDOOR ENVIRONMENTAL QUALITY- LOW-EMITTING MATERIALS 1/2018					updated 01/15/18	
PRODUCTS	PRODUCT NUMBERS	GREENGUARD GOLD	TVOC	CARB/SCAQMD Category^	VOC†	
ColorCast Ecotoner™ (CCE) Architectural Colorant	CCE-AC series	Certified	0.5 mg/m3 or less	Colorant Architectural	<50 g/L	
PrepRite® Interior/Exterior Latex Block Filler	B25W25	CDPH V1.2	0.5 mg/m3 or less	P,S,U	<50 g/L	
Pro Industrial™ Waterborne Acrylic Dryfall Flat	B42W00181	CDPH V1.2	0.5 mg/m3 or less	Dry Fog	<50 g/L	
Pro Industrial™ Waterborne Acrylic Dryfall Eg-Shel	B42W00082	CDPH V1.2	0.5 mg/m3 or less	Dry Fog	<50 g/L	
Pro Industrial™ Waterborne Acrylic Dryfall Semi-Gloss	B42W00083	CDPH V1.2	between 0.5 & 5.0 mg/m3	Dry Fog	<50 g/L	
EcoSelect® Zero VOC Interior Latex Flat	A21W01851 & 853 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L	
Emerald® Interior Latex Flat & Matte	K35 & K36- Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L	
Eminence® Interior Latex Flat Ceiling Paint	A27	Certified	0.5 mg/m3 or less	Flat	<50 g/L	
Harmony® Interior Flat Latex	B05-1050 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L	
ProMar® 200 Zero VOC Interior Latex Flat, Low Gloss & Low Sheen	B30, B41 & B24-2650 & 12600 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L	
ProMar® 400 Zero VOC Interior Latex Flat & Low Sheen	B30 & B24-4650 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L	
ProMar® Ceiling Paint,	A27W5050	Certified	0.5 mg/m3 or less	Flat	<50 g/L	
Solo® Interior/Exterior Flat	A74-51 Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L	
Tuff Surface™ Premium Texture Coating	A44W00050	Certified	0.5 mg/m3 or less	Flat	<50 g/L	
Loxon Water Blocking Primer/Finish	B72/LX-Series	Certified	0.5 mg/m3 or less	Flat	<50 g/L	
All Surface Enamel HP Eg-Shel, Semi-Gloss, Gloss-Canada Only	A43,A41 & A42Q-8050 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L	
All Surface Enamel Satin & Gloss A41-1350 & A41-1250 Series-US Only	A41-1350 & A41-1250 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L	
Dry Erase Clear Gloss Coating	KB65C2000	Certified	0.5 mg/m3 or less	Non-Flat	<100 g/L	
EcoSelect Zero VOC Interior Latex Eg-Shel & Semi-Gloss	A22 & A20-850 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L	
Emerald Interior Latex Satin & Semi-Gloss	K37 & K38-Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L	
Harmony Interior Eg-Shel & Semi-Gloss	B09 & B10-1050 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L	
ProMar® 200 HP Zero VOC Interior Acrylic Eg-Shel	B20-1950 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L	
ProMar® 200 HP Zero VOC Interior Acrylic Low Gloss Eg-Shel	B41-1950 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L	
ProMar® 200 Zero VOC Interior Latex Eg-Shel, Semi-Gloss	B20 -2650, 12650 & B31-2650 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L	
ProMar® 200 Zero VOC Interior Latex Low Gloss Eg-Shel	B41-2600 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L	

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ProMar [®] 400 Zero VOC Interior Latex Eg-Shel, Semi-Gloss	B20 & B31-4650 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
ProMar [®] 200 Zero VOC Interior Latex Gloss	B21-12650 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
ProMar [®] 400 Zero VOC Interior Latex Gloss	B21-4650 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
Solo [®] Interior/Exterior Eg-Shel ,Satin, Semi-Gloss & Gloss	A75, A73, A76 & A77-51 Series	Certified	0.5 mg/m3 or less	Non-Flat	<50 g/L
Armorseal [®] 8100 Water Based Epoxy Floor Coating	B70-8100/8160 Series	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial [™] Acrylic Coating, Eg-Shel, Semi-Gloss, Gloss	B66-660, 650 & 600 Series	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial [™] DTM Primer/Finish	B66W00011	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial Pro-Cryl [®] Primer Off White, Medium Grey & Red Oxide	B66-1310/1320 Series	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial [™] Water Based Catalyzed Epoxy, Gloss & Eg-Shel	B73-300 Series	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Pro Industrial [™] Heavy Duty Block Filler, B42W00150	B42W00150	Certified	0.5 mg/m3 or less	Industrial Maintenance	<50 g/L
Drywall Primer	B28W08150	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Extreme Bond [™] Bonding Primer	B51W150	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Harmony Interior Latex Primer	B11W01500	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Loxon [®] Conditioner Clear & Guide Coat White	A24/LX-Series	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Loxon Concrete & Masonry Primer	A24/LX-Series	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Multi-Purpose Latex Primer	B51-450 Series	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Multi-Purpose Waterbased Acrylic Alkyd Primer	B79-450 Series	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
PrepRite [®] ProBlock [®] Int/Ext Latex Primer/Sealer	B51-620 Series	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
ProMar [®] 200 Zero VOC Interior Latex Primer	B28W02600	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
ProMar 400 Zero VOC Interior Latex Primer	B28W04600	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Pro Industrial [™] Heavy Duty Block Filler	B42W00150	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L
Quick Dry Interior/Exterior Stain Blocking Primer	B51W08670	Certified	0.5 mg/m3 or less	P,S,U	<50 g/L

The coatings listed on this page are formulated without the use of methylene chloride, perchloroethylene, Cadmium or lead.

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Building products and Interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using the applicable exposure scenario(s).

UL/GREENGUARD Certified products are certified to UL GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com.

Certificates can be found on: www.greenguard.org or www.UL.com

P,S,U= Primer, Sealer, Undercoater ^Category classification based on SCAQMD Rule 1113, 2011 and CARB 2007 SCM definitions. †Refer to the current SDS/EDS for specific VOCs (calculated per 40 CFR 59.406). VOCs may vary by base and sheen.

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