SECTION 09 90 00

PAINTS AND COATINGS

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\*\* NOTE TO SPECIFIER \*\* PPG Architectural Finishes, Incorporated - PPG Paints; commercial and high performance coatings.  
This section is based on the products of PPG Architectural Finishes, Incorporated - PPG Paints, which is located at:400 Bertha Lamme Dr.Cranberry Township, PA 16066Toll Free Tel: 888-PPG-IDEAFax: 888-434-3127Email: [request info (brian.joyce@ppg.com)](https://arcat.com/rfi?action=email&company=PPG%252BArchitectural%252BFinishes%252C%252BIncorporated%252B-%252BPPG%252BPaints&message=RE%253A%2520Spec%2520Question%2520(09900ppg)%253A%2520&coid=41841&spec=09900ppg&rep=&fax=888-434-3127)  
Web: <https://www.ppgpaints.com>   
 [ [Click Here](https://arcat.com/company/ppg-architectural-finishes-incorporated-ppg-paints-41841) ] for additional information.  
A tradition was established early with PPG - use the best technology, manufacture the best quality products, and provide exceptional, dedicated service. Today, that steadfast commitment to excellence is evident in every aspect of our business. We offer solutions for architects, specifiers, paint dealers and contractors in all markets... commercial, industrial, and residential. Today, PPG Paints and PPG Protective and Marine Coatings continue the foremost tradition of supplying high quality, comprehensive products lines, leading edge technologies and tailored support programs for each market segment.  
Global Resources:  
PPG Paints and PPG Protective and Marine Coatings are from a global leader in coatings technology and a leading supplier to the building products industry. With over 100 years' experience and R&D capabilities second to none, you can be sure we're bringing you the latest product advancements.  
One of the Industry's Most Comprehensive Product Lines:  
Specially formulated to meet the requirements for each market, PPG Paints and PPG Protective and Marine Coatings offer a product for every application.  
Commercial:  
Building on a long heritage of quality and performance, we continue to update our commercial product line to meet all current specifications, as well as current and proposed environmental regulations. Count on PPG Paints for the products you need to meet the most demanding commercial applications.  
Industrial:  
PPG offers a complete line of protective and marine coatings for the most demanding environments. From epoxies and urethanes to polysiloxanes, PPG Protective & Marine coatings provide outstanding products and service to meet your needs.  
Institutional:  
Introducing a new low-odor, zero VOC PPG Paints product, Pure Performance, that offers excellent durability, washability, and touch-up. Ideal for schools, hotels, hospitals, office buildings, government offices, retail space - any space where job-site disruption is a concern and a top-performing, zero VOC product is needed.  
Residential:  
Exterior paints that stand up to the elements and still look great. Interior paints that reflect the perfect mood and style. Wood stains and clears for decks and siding. Primers that start the job off right. No matter what the need, PPG Paints has the complete product line for today's residential applications.  
See our SpecWizard [Click Here](http://www.arcat.com/specwizard/09900ppg/index.htm)

1. GENERAL
   1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Exterior Paint Systems: Surface preparation and field painting of exposed exterior items and surfaces.
    2. Exterior stain and natural finish woodwork systems.
    3. Interior Paint Systems: Surface preparation and field painting of exposed interior items and surfaces.
    4. Interior stain and natural finish woodwork systems.
    5. Exterior High Performance Coating Systems: Surface preparation and field application of exterior high-performance coating systems to items and surfaces scheduled.
    6. Interior High Performance Coating Systems: Surface preparation and field application of interior high-performance coating systems to items and surfaces scheduled.
  1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 03 30 00 - Cast-in-Place Concrete.
    2. Section 05 12 13 - Architecturally-Exposed Structural Steel Framing.
    3. Section 05 50 00 - Metal Fabrications.
    4. Section 06 20 00 - Finish Carpentry.
    5. Section 08 11 13.13 - Standard Hollow Metal Doors and Frames.
    6. Section 09 21 16.33 - Gypsum Board Area Separation Wall Assemblies.
    7. Section 22 05 00 - Common Work Results for Plumbing.
    8. Section 26 05 00 - Common Work Results for Electrical.
  1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. American Society for Testing and Materials (ASTM) D 16 - Standard Terminology for Paint, Related Coatings, Materials, and Applications.
    2. Steel Structures Painting Council (SSPC) SP6 - Commercial Blast Cleaning Procedures.
    3. Steel Structures Painting Council (SSPC) SP10 - Near White Blast Cleaning Procedure.
  1. DEFINITIONS
     1. General: Standard coating terms in accordance with ASTM D523.
        1. Gloss Level 1 (Flat): Not more than 5 units at 60 degrees and 10 units at 85 degrees, in accordance with ASTM D523.
        2. Gloss Level 2 (Low Sheen): Not more than 10 units at 60 degrees and 10 to 35 units at 85 degrees, in accordance with ASTM D523.
        3. Gloss Level 3 (Eggshell): 10 to 25 units at 60 degrees and 10 to 35 units at 85 degrees, in accordance with ASTM D523.
        4. Gloss Level 4 (Satin): 20 to 35 units at 60 degrees and not less than 35 units at 85 degrees, in accordance with ASTM D523.
        5. Gloss Level 5 (Semi-Gloss): 35 to 70 units at 60 degrees, in accordance with ASTM D523.
        6. Gloss Level 6 (Gloss): 70 to 85 units at 60 degrees, in accordance with ASTM D523.
        7. Gloss Level 7 (High-Gloss): More than 85 units at 60 degrees, in accordance with ASTM D523.
     2. Environments: The following terms distinguish between different corrosive exposures:
        1. Severe Environments: Highly corrosive industrial atmospheres. Sustained exposure to high humidity and condensation and with frequent cleaning using strong chemicals. Environments with heavy concentrations of strong chemical fumes and frequent splashing and spilling of harsh chemical products are severe environments.
        2. Moderate Environments: Corrosive industrial atmospheres with intermittent exposure to high humidity and condensation, occasional mold and mildew development, and regular cleaning with strong chemicals. Environments with exposure to heavy concentrations of chemical fumes and occasional splashing and spilling of chemical products are moderate environments.
        3. Mild Environment: industrial atmospheres with normal exposure to moderate humidity and condensation, occasional mold and mildew development, and infrequent cleaning with strong chemicals. Environments with low levels of mild chemical fumes and occasional splashing and spilling of chemical products are mild environments. Normal outdoor weathering is also considered a mild environment.
  2. SUBMITTALS
     1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
     2. Product Data: For each paint system indicated, including:
        1. Material List: An inclusive list of required coating materials. Indicate each material and cross reference specific coating, finish system, and application. Identify each material by manufacturer's catalog number and general classification.
        2. Preparation instructions and recommendations.
        3. Manufacturer's Information: Manufacturer's technical information, including label analysis and instructions for handling, storing, and applying each coating material.

\*\* NOTE TO SPECIFIER \*\* Delete selection samples if colors have already been selected.

* + 1. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
    2. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.
  1. QUALITY ASSURANCE
     1. Installer Qualifications: A firm or individual experienced in applying paints and coatings similar in material, design, and extent to those indicated for this Project, whose work has resulted in applications with a record of successful in-service performance.
     2. Obtain block fillers and primers for each coating system from the same manufacturer as the finish coats.
     3. Paint exposed surfaces. If an item or a surface is not specifically mentioned, paint the item, or surface the same as similar adjacent materials or surfaces. If a color of finish is not indicated, Architect will select from standard colors and finishes available.
     4. Do not paint prefinished items, concealed surfaces, finished metal surfaces, operating parts, and labels.

\*\* NOTE TO SPECIFIER \*\* 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 work on the project.

* + 1. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
       1. Finish areas designated by Architect.
       2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
       3. Refinish mock-up area as required to produce acceptable work.
  1. DELIVERY, STORAGE, AND HANDLING
     1. Deliver materials to Project site in manufacturer's original, unopened packages and containers bearing manufacturer's name and label:
     2. Store materials not in use in tightly covered containers in a well-ventilated area at a minimum ambient temperature of 45 deg F (7 deg C). Maintain storage containers in a clean condition, free of foreign materials and residue.
  2. PROJECT CONDITIONS
     1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
     2. Apply waterborne paints only when temperatures of surfaces to be painted and surrounding air are between 50 and 90 deg F (10 and 32 deg C).
     3. Apply solvent-thinned paints only when temperatures of surfaces to be painted and surrounding air are between 45 and 95 deg F (7 and 35 deg C).
     4. Do not apply paint in snow, rain, fog, or mist: or when relative humidity exceeds 85 percent: or at temperatures less than 5 deg F (3 deg C) above the dew point: or to damp or wet surfaces.
        1. Painting may continue during inclement weather if surfaces and areas to be painted are enclosed and heated within temperature limits specified by manufacturer during application and drying periods.

\*\* NOTE TO SPECIFIER \*\* Extra materials may not be allowed for publicly funded projects. Do not include for High Performance Coatings (HPC). Delete if not required.

* 1. EXTRA MATERIALS
     1. Furnish extra paint materials from the same production run as the materials applied in the quantities described below. Package with protective covering for storage and identify with labels describing contents. Deliver extra materials to Owner.
     2. Quantity: Furnish Owner with an additional three percent, but not less than 1 gal (3.8 l) or 1 case, as appropriate, of each material and color applied.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: PPG Architectural Finishes, Incorporated - PPG Paints, which is located at:400 Bertha Lamme Dr.Cranberry Township, PA 16066Toll Free Tel: 888-PPG-IDEAFax: 888-434-3127Email: [request info (brian.joyce@ppg.com)](https://arcat.com/rfi?action=email&company=PPG%252BArchitectural%252BFinishes%252C%252BIncorporated%252B-%252BPPG%252BPaints&message=RE%253A%2520Spec%2520Question%2520(09900ppg)%253A%2520&coid=41841&spec=09900ppg&rep=&fax=888-434-3127);Web: <https://www.ppgpaints.com>
         1. Basis of Design: PPG Paints as manufactured and supplied by PPG Architectural Finishes, Incorporated.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
    2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.
  1. PAINT MATERIALS GENERAL
     1. Material Compatibility: Provide block fillers, primers, and finish-coat materials that are compatible with one another and with the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.

\*\* NOTE TO SPECIFIER \*\* Revise VOC rating to suit local regulations or Owner's requirements. Delete if not required.

* + 1. VOC Classification: Provide high-performance coating materials, including primers, undercoats, and finish-coat materials, that meet the applicable local, state, or federal VOC requirements.
    2. Color: Refer to Finish Schedule and Paint Legend for paint colors.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. EXTERIOR PAINT FINISH SYSTEMS

\*\* NOTE TO SPECIFIER \*\* Delete paragraphs not required.

* + 1. Acrylic Finish: Two finish coats over a primer.

\*\* NOTE TO SPECIFIER \*\* Delete substrate options not required.

* + - 1. Substrate:
         1. Concrete, stucco, and brick masonry; other than concrete masonry units.
         2. Mineral-fiber-reinforced cement panels.
         3. Exterior gypsum soffit board.

\*\* NOTE TO SPECIFIER \*\* Delete primer options not required.

* + - 1. Primer:
         1. PPG Paints. Seal Grip Gripper Interior/Exterior 100 Percent Acrylic Latex Primer, 17-921XI Series. Applied Dry Film Thickness: 1.6 mils min.
         2. PPG Paints. Perma-Crete Interior/Exterior Alkali Resistant Primer, 4-603XI. Applied Dry Film Thickness: 1.4 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete finish coat and paint options not required.

* + - 1. Exterior Gloss Level 1 Acrylic Finish:
         1. PPG Paints. Speedhide Exterior House Paint Flat Latex, 6-610XI Series. Applied Dry Film Thickness: 1.3 mils min.
         2. PPG Paints. Sun Proof Exterior 100 percent Acrylic Latex Flat, 72-45XI Series. Applied Dry Film Thickness: 1.6 mils min.
         3. PPG Paints. Acri-Shield Max Exterior 100 percent Acrylic Latex Flat, 519-10 Series. Applied Dry Film Thickness: 1.6 mils min.
         4. PPG Paints. Permanizer Exterior 100 percent Acrylic Latex Flat, 759-10 Series. Applied Dry Film Thickness: 2.3 mils min.
      2. Exterior Gloss Level 1 High Build Acrylic Finish:
         1. PPG Paints. Perma-Crete High Build 100 Percent Acrylic Topcoat, 4-22XI Series. Applied Dry Film Thickness: 3.2 mils min.
      3. Exterior Gloss Level 2 Acrylic Finish:
         1. PPG Paints. Acri-Shield Max Exterior 100 percent Acrylic Latex Eggshell, 589-10 Series. Applied Dry Film Thickness: 1.6 mils min.
      4. Exterior Gloss Level 3 and 4 Acrylic Finish:
         1. PPG Paints. Speedhide Exterior House and Trim Satin-Acrylic Latex, 6-2045XI Series. Applied Dry Film Thickness: 1.0 mil min.
         2. PPG Paints. Sun Proof Exterior 100 percent Acrylic Latex Satin, 76-45XI Series. Applied Dry Film Thickness: 1.6 mils min.
         3. PPG Paints. Acri-Shield Max Exterior 100 percent Acrylic Latex Satin, 739-10 Series. Applied Dry Film Thickness: 1.6 mils min.
         4. PPG Paints. Permanizer Exterior 100 percent Acrylic Latex Satin, 769-10 Series. Applied Dry Film Thickness: 2.2 mils min.
      5. Exterior Gloss Level 3 and 4 High Build Acrylic Finish:
         1. PPG Paints. Perma-Crete High Build 100 Percent Acrylic Topcoat, 4-422 Series. Applied Dry Film Thickness: 3.0 mils min.
      6. Exterior Gloss Level 5 Acrylic Enamel Finish:
         1. PPG Paints. Speedhide Exterior House and Trim Semi-Gloss Acrylic Latex Paint, 6-900XI Series. Applied Dry Film Thickness: 1.5 mils min.
         2. PPG Paints. Sun Proof Exterior 100 percent Acrylic Latex Semi-Gloss, 78-45XI Series. Applied Dry Film Thickness: 1.5 mils min.
         3. PPG Paints. Acri-Shield Max Exterior 100 percent Acrylic Latex Semi-Gloss, 649-10 Series. Applied Dry Film Thickness: 1.6 mils min.
         4. PPG Paints. Permanizer Exterior 100 percent Acrylic Latex Semi-Gloss, 749-10 Series. Applied Dry Film Thickness: 2.1 mils min.
         5. PPG Paints. Advantage 900 Interior/Exterior Styrene Acrylic Semi-Gloss, 919-10 Series. Applied Dry Film Thickness: 1.5 mils min.
      7. Exterior Gloss Level 6 Acrylic Enamel Finish:
         1. PPG Paints. Speedhide Interior/Exterior High Gloss Acrylic Paint, 6-8534 Series. Applied Dry Film Thickness: 1.2 mils min.
         2. PPG Paints. Advantage 900 Interior/Exterior Styrene Acrylic Gloss, 909-10 Series. Applied Dry Film Thickness: 1.5 mils min.
      8. Exterior Acrylic Texture Finish:
         1. PPG Paints. Perma-Crete 100 Percent Acrylic Texture Coating, 4-50 Series. Applied Dry Film Thickness: 6.8 mils min.
      9. Exterior Elastomeric Coating:
         1. PPG Paints. Perma-Crete Pitt-Flex Elastomeric Coating, 4-110XI Series. Applied Dry Film Thickness: 5.4 mils min.
    1. Acrylic Finish: Two finish coats over a block filler.
       1. Substrate: Exterior Concrete Masonry Units:
       2. Block Filler: Acrylic:
          1. PPG Paints. Speedhide Interior/Exterior Masonry Latex Block Filler, 6-7. Applied Dry Film Thickness: 7.1 mils min.
          2. PPG Paints. Speedhide Interior/Exterior Masonry Hi-Fill Latex Block Filler, 6-15XI. Applied Dry Film Thickness: 8.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete finish coat and paint options not required.

* + - 1. Exterior Gloss Level 1 Acrylic Finish:
         1. PPG Paints. Speedhide Exterior House Paint Flat Latex, 6-610XI Series. Applied Dry Film Thickness: 1.3 mils min.
         2. PPG Paints. Sun Proof Exterior 100 percent Acrylic Latex Flat, 72-45XI Series. Applied Dry Film Thickness: 1.6 mils min.
         3. PPG Paints. Acri-Shield Max Exterior 100 percent Acrylic Latex Flat, 519-10 Series. Applied Dry Film Thickness: 1.6 mils min.
         4. PPG Paints. Permanizer Exterior 100 percent Acrylic Latex Flat, 759-10 Series. Applied Dry Film Thickness: 2.3 mils min.
      2. Exterior Gloss Level 1 High Build Acrylic Finish:
         1. PPG Paints. Perma-Crete High Build 100 Percent Acrylic Topcoat, 4-22XI Series. Applied Dry Film Thickness: 3.2 mils min.
      3. Exterior Gloss Level 2 Acrylic Finish:
         1. PPG Paints. Acri-Shield Max Exterior 100 percent Acrylic Latex Eggshell, 589-10 Series. Applied Dry Film Thickness: 1.6 mils min.
      4. Exterior Gloss Level 3 and 4 Acrylic Finish:
         1. PPG Paints. Speedhide Exterior House and Trim Satin-Acrylic Latex, 6-2045XI Series. Applied Dry Film Thickness: 1.0 mil min.
         2. PPG Paints. Sun Proof Exterior 100 percent Acrylic Latex Satin, 76-45XI Series. Applied Dry Film Thickness: 1.6 mils min.
         3. PPG Paints. Acri-Shield Max Exterior 100 percent Acrylic Latex Satin, 739-10 Series. Applied Dry Film Thickness: 1.6 mils min.
         4. PPG Paints. Permanizer Exterior 100 percent Acrylic Latex Satin, 769-10 Series. Applied Dry Film Thickness: 2.2 mils min.
      5. Exterior Gloss Level 3 and 4 High Build Acrylic Finish:
         1. PPG Paints. Perma-Crete High Build 100 Percent Acrylic Topcoat, 4-422 Series. Applied Dry Film Thickness: 3.0 mils min.
      6. Exterior Gloss Level 5 Acrylic Enamel Finish:
         1. PPG Paints. Speedhide Exterior House and Trim Semi-Gloss Acrylic Latex Paint, 6-900XI Series. Applied Dry Film Thickness: 1.5 mils min.
         2. PPG Paints. Sun Proof Exterior 100 percent Acrylic Latex Semi-Gloss, 78-45XI Series. Applied Dry Film Thickness: 1.5 mils min.
         3. PPG Paints. Acri-Shield Max Exterior 100 percent Acrylic Latex Semi-Gloss, 649-10 Series. Applied Dry Film Thickness: 1.6 mils min.
         4. PPG Paints. Permanizer Exterior 100 percent Acrylic Latex Semi-Gloss, 749-10 Series. Applied Dry Film Thickness: 2.1 mils min.
         5. PPG Paints. Advantage 900 Interior/Exterior Styrene Acrylic Semi-Gloss, 919-10 Series. Applied Dry Film Thickness: 1.5 mils min.
      7. Exterior Gloss Level 6 Acrylic Enamel Finish:
         1. PPG Paints. Speedhide Interior/Exterior High Gloss Acrylic Paint, 6-8534 Series. Applied Dry Film Thickness: 1.2 mils min.
         2. PPG Paints. Advantage 900 Interior/Exterior Styrene Acrylic Gloss, 909-10 Series. Applied Dry Film Thickness: 1.5 mils min.
      8. Exterior Acrylic Texture Finish:
         1. PPG Paints. Perma-Crete 100 Percent Acrylic Texture Coating, 4-50 Series. Applied Dry Film Thickness: 6.8 mils min.
      9. Exterior Elastomeric Coating:
         1. PPG Paints. Perma-Crete Pitt-Flex Elastomeric Coating, 4-110XI Series. Applied Dry Film Thickness: 5.4 mils min.
    1. Acrylic or Alkyd Finish: Two finish coats over a primer.

\*\* NOTE TO SPECIFIER \*\* Delete substrate options not required.

* + - 1. Substrates:
         1. Smooth wood siding.
         2. Wood trim.
         3. Plywood.
         4. Smooth exterior wood surfaces.

\*\* NOTE TO SPECIFIER \*\* Delete primer options not required.

* + - 1. Primer:
         1. PPG Paints. Seal Grip Gripper Interior/Exterior 100 Percent Acrylic Latex Primer, 17-921XI Series. Applied Dry Film Thickness: 1.6 mils min.
         2. PPG Paints. Perma-Crete Interior/Exterior Alkali Resistant Primer, 4-603XI. Applied Dry Film Thickness: 1.4 mils min.
         3. PPG Paints. Seal Grip Interior/Exterior Alkyd Primer, 17-941NF. Applied Dry Film Thickness: 2.2 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete finish options and paint options not required.

* + - 1. Exterior Gloss Level 1 Acrylic Finish:
         1. PPG Paints. Speedhide Exterior House Paint Flat Latex, 6-610XI Series. Applied Dry Film Thickness: 1.3 mils min.
         2. PPG Paints. Sun Proof Exterior 100 percent Acrylic Latex Flat, 72-45XI Series. Applied Dry Film Thickness: 1.6 mils min.
         3. PPG Paints. Acri-Shield Max Exterior 100 percent Acrylic Latex Flat, 519-10 Series. Applied Dry Film Thickness: 1.6 mils min.
         4. PPG Paints. Permanizer Exterior 100 percent Acrylic Latex Flat, 759-10 Series. Applied Dry Film Thickness: 2.3 mils min.
      2. Exterior Gloss Level 2 Acrylic Finish:
         1. PPG Paints. Acri-Shield Max Exterior 100 percent Acrylic Latex Eggshell, 589-10 Series. Applied Dry Film Thickness: 1.6 mils min.
      3. Exterior Gloss Level 3 and 4 Acrylic Finish:
         1. PPG Paints. Speedhide Exterior House and Trim Satin-Acrylic Latex, 6-2045XI Series. Applied Dry Film Thickness: 1.0 mils min.
         2. PPG Paints. Sun Proof Exterior 100 percent Acrylic Latex Satin, 76-45XI Series. Applied Dry Film Thickness: 1.6 mils min.
         3. PPG Paints. Acri-Shield Max Exterior 100 percent Acrylic Latex Satin, 739-10 Series. Applied Dry Film Thickness: 1.6 mils min.
         4. PPG Paints. Permanizer Exterior 100 percent Acrylic Latex Satin, 769-10 Series. Applied Dry Film Thickness: 2.2 mils min.
      4. Exterior Gloss Level 5 Acrylic Enamel Finish:
         1. PPG Paints. Speedhide Exterior House and Trim Semi-Gloss Acrylic Latex Paint, 6-900XI Series. Applied Dry Film Thickness: 1.5 mils min.
         2. PPG Paints. Sun Proof Exterior 100 percent Acrylic Latex Semi-Gloss, 78-45XI Series. Applied Dry Film Thickness: 1.5 mils min.
         3. PPG Paints. Acri-Shield Max Exterior 100 percent Acrylic Latex Semi-Gloss, 649-10 Series. Applied Dry Film Thickness: 1.6 mils min.
         4. PPG Paints. Permanizer Exterior 100 percent Acrylic Latex Semi-Gloss, 749-10 Series. Applied Dry Film Thickness: 2.1 mils min.
         5. PPG Paints. Advantage 900 Interior/Exterior Styrene Acrylic Semi-Gloss, 919-10 Series. Applied Dry Film Thickness: 1.5 mils min.
      5. Exterior Gloss Level 6 Acrylic Enamel Finish:
         1. PPG Paints. Speedhide Interior/Exterior High Gloss Acrylic Paint, 6-8534 Series. Applied Dry Film Thickness: 1.2 mils min.
         2. PPG Paints. Advantage 900 Interior/Exterior Styrene Acrylic Gloss, 909-10 Series. Applied Dry Film Thickness: 1.5 mils min.
      6. Exterior Gloss Level 6 Alkyd Enamel Low Odor Finish:
         1. PPG Paints. Glyptex Interior/Exterior Alkyd Gloss Enamel, 4139-10 Series. Applied Dry Film Thickness: 1.8 mils min.
    1. Acrylic or Alkyd Finish: Two finish coats over a rust-inhibitive primer.

\*\* NOTE TO SPECIFIER \*\* Delete substrate options not required.

* + - 1. Substrates:
         1. Ferrous metal.
         2. Zinc-coated metal.
         3. Aluminum.

\*\* NOTE TO SPECIFIER \*\* Primer is required for items not shop-primed. Primer is not required on shop-primed items. Delete primer option not required.

* + - 1. Acrylic Primer : PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic DTM Primer, 90-1912 Series. Applied Dry Film Thickness: 2.0 mils min.
      2. Primer: PPG Paints. Speedhide Alkyd Metal Primer, 6-208 Series. Applied Dry Film Thickness: 2.3 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete finish options and paint options not required.

* + - 1. Exterior Gloss Level 1 Acrylic Paint Finish:
         1. PPG Paints. Speedhide Exterior House Paint Flat Latex, 6-610XI Series. Applied Dry Film Thickness: 1.3 mils min.
         2. PPG Paints. Sun Proof Exterior 100 percent Acrylic Latex Flat, 72-45XI Series. Applied Dry Film Thickness: 1.6 mils min.
         3. PPG Paints. Acri-Shield Max Exterior 100 percent Acrylic Latex Flat, 519-10 Series. Applied Dry Film Thickness: 1.6 mils min.
         4. PPG Paints. Permanizer Exterior 100 percent Acrylic Latex Flat, 759-10 Series. Applied Dry Film Thickness: 2.3 mils min.
      2. Exterior Gloss Level 2 Acrylic Finish:
         1. PPG Paints. Acri-Shield Max Exterior 100 percent Acrylic Latex Eggshell, 589-10 Series. Applied Dry Film Thickness: 1.6 mils min.
      3. Exterior Gloss Level 3 and 4 Acrylic Finish:
         1. PPG Paints. Speedhide Exterior House and Trim Satin-Acrylic Latex, 6-2045XI Series. Applied Dry Film Thickness: 1.0 mils min.
         2. PPG Paints. Sun Proof Exterior 100 percent Acrylic Latex Satin, 76-45XI Series. Applied Dry Film Thickness: 1.6 mils min.
         3. PPG Paints. Acri-Shield Max Exterior 100 percent Acrylic Latex Satin, 739-10 Series. Applied Dry Film Thickness: 1.6 mils min.
         4. PPG Paints. Permanizer Exterior 100 percent Acrylic Latex Satin, 769-10 Series. Applied Dry Film Thickness: 2.2 mils min.
         5. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Satin DTM Industrial Enamel, 90-1710 Series. Applied Dry Film Thickness: 2.0 mils min.
      4. Exterior Gloss Level 5 Acrylic Enamel Finish:
         1. PPG Paints. Speedhide Exterior House and Trim Semi-Gloss Acrylic Latex Paint, 6-900XI Series. Applied Dry Film Thickness: 1.5 mils min.
         2. PPG Paints. Sun Proof Exterior 100 percent Acrylic Latex Semi-Gloss, 78-45XI Series. Applied Dry Film Thickness: 1.5 mils min.
         3. PPG Paints. Acri-Shield Max Exterior 100 percent Acrylic Latex Semi-Gloss, 649-10 Series. Applied Dry Film Thickness: 1.6 mils min.
         4. PPG Paints. Permanizer Exterior 100 percent Acrylic Latex Semi-Gloss, 749-10 Series. Applied Dry Film Thickness: 2.1 mils min.
         5. PPG Paints. Advantage 900 Interior/Exterior Styrene Acrylic Semi-Gloss, 919-10 Series. Applied Dry Film Thickness: 1.5 mils min.
         6. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Semi-Gloss DTM Industrial Enamel, 90-1610 Series. Applied Dry Film Thickness: 2.0 mils min.
      5. Exterior Gloss Level 5 Alkyd Enamel Finish:
         1. PPG Paints. HPC Urethane Alkyd Semi-Gloss Enamel, 4336H Series. Applied Dry Film Thickness: 2.0 mils min.
      6. Exterior Gloss Level 6 Acrylic Enamel Finish:
         1. PPG Paints. Speedhide Interior/Exterior High Gloss Acrylic Paint, 6-8534 Series. Applied Dry Film Thickness: 1.2 mils min.
         2. PPG Paints. Advantage 900 Interior/Exterior Styrene Acrylic Gloss, 909-10 Series. Applied Dry Film Thickness: 1.5 mils min.
         3. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Gloss DTM Industrial Enamel, 90-1510 Series. Applied Dry Film Thickness: 2.0 mils min.
      7. Exterior Gloss Level 6 Alkyd Enamel Finish:
         1. PPG Paints. 7-Line Industrial Gloss-Oil Interior/Exterior Enamel, 7-282 Series. Applied Dry Film Thickness: 2.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. EXTERIOR STAIN SYSTEMS

\*\* NOTE TO SPECIFIER \*\* Delete paragraphs not required.

* + 1. Alkyd-Based Toner Wood Finish: Penetrating sealer/finish system applied on properly cleaned and prepared wood surface.
       1. Substrate:
          1. Stained Woodwork: Provide the following stain finishes over new exterior woodwork, for use with both vertical siding/trim and horizontal deck applications unless otherwise stated.

\*\* NOTE TO SPECIFIER \*\* Delete sealer/finish coat paint option not required.

* + - 1. Sealer/Finish Coat:
         1. PPG Paints. Flood CWF-OIL Penetrating Oil Wood Finish, FLD447. Apply two coats using a wet-on-wet application.
         2. PPG Paints. ProLuxe SRD Wood Finish (Transparent Matte). Apply 1 coat, SIK240 Series.
         3. PPG Paints. ProLuxe SRD RE Wood Finish (Transparent Matte), SIK250 Series. Apply 1 coat.
         4. PPG Paints. ProLuxe Premium Deck Wood Finish (Transparent Satin), SIK440 Series. Apply two coats.
    1. Alkyd-Based Toner Wood Finish Penetrating sealer/finish system applied on properly cleaned and prepared vertical wood surface. Not for deck applications.
       1. Substrate: Vertical Siding/Trim Applications:

\*\* NOTE TO SPECIFIER \*\* Delete coating options and paint options not required.

* + - 1. Sealer Coat:
         1. PPG Paints. ProLuxe 1 Primary RE Wood Finish (Transparent Matte), SIK410 Series. Use with SIK430 Series 23 Top Coat RE Wood Finish.
      2. Finish Coat:
         1. PPG Paints. ProLuxe 23 Top Coat RE Wood Finish (Transparent Satin), SIK430 Series. Apply 2 coats over SIK410 Series 1 Primary RE Wood Finish.
      3. Sealer/Finish Coat:
         1. PPG Paints. ProLuxe Door and Window Wood Finish (Transparent Satin), SIK480 Series. Apply 3 coats.
         2. ProLuxe. Log and Siding Wood Finish (Transparent Satin), SIK420 Series. Apply 2 coats.
      4. Clear Coat:
         1. PPG Paints. ProLuxe Door and Window Wood Finish (Transparent Satin), SIK48003. Apply over SIK480 Series as needed to maintain sheen.
      5. Clear Maintenance Coat:
         1. PPG Paints. ProLuxe Maintenance RE Wood Finish (Clear Satin), SIK61003. Apply over SIK420 or SIK 430 Series as needed to maintain sheen. Vertical applications only.
    1. Acrylic-Oil Toner Wood Finish: Penetrating sealer/finish system.
       1. Substrate: Properly cleaned and prepared wood surface:

\*\* NOTE TO SPECIFIER \*\* Delete sealer/finish coat paint option not required.

* + - 1. Sealer/Finish Coat:
         1. PPG Paints. Flood CWF-UV Penetrating Wood Finish, FLD520 Series. Apply 1 coat.
         2. PPG Paints. Flood CWF-UV5 Penetrating Wood Finish, FLD565 Series. Apply 1 coat.
    1. Alkyd-Based Semi-Transparent Wood Finish: Penetrating sealer/finish system.
       1. Substrate: Properly cleaned and prepared wood surface.
       2. Sealer/Finish Coat:
          1. PPG Paints. Flood Semi-Transparent Alkyd-Oil Wood Finish, FLD802 Series. Apply 1 coat.
    2. Acrylic-Oil Semi-Transparent Wood Finish: Penetrating sealer/finish systems.
       1. Substrate: Properly cleaned and prepared wood surface.

\*\* NOTE TO SPECIFIER \*\* Delete sealer/finish coat option not required.

* + - 1. Sealer/Finish Coat:
         1. PPG Paints. Flood Semi-Transparent Acrylic-Oil Wood Finish, FLD812 Series. Apply 1 coat.
         2. PPG Paints. Flood. Flood Semi-Transparent Acrylic-Oil Wood Finish, FLD832 Series. Apply 1 coat.
    1. Acrylic Based Semi-Transparent Wood Finish: Penetrating sealer/finish system.
       1. Substrate: Properly cleaned and prepared wood surface.
       2. Sealer/Finish Coat:
          1. PPG Paints: ProLuxe SRD Semi-Transparent Wood Finish (Matte), SIK500 Series. Apply 1 coat.
    2. Alkyd-Oil Semi-Opaque Wood Finish: Penetrating sealer/finish system.
       1. Substrate: Properly cleaned and prepared wood surface.
       2. Sealer/Finish Coat:
          1. PPG Paints: Flood Semi-Opaque Alkyd-Oil Wood Finish, FLD842 Series. Apply 2 coats using a wet-on-wet application.
    3. Acrylic Solid Color Wood Finish: Acrylic topcoat system.
       1. Substrate: Properly cleaned and prepared wood surface.

\*\* NOTE TO SPECIFIER \*\* Delete sealer/finish coats option not required.

* + - 1. Sealer/Finish Coat:
         1. PPG Paints. Flood Acrylic Solid Color Matte Wood Finish, FLD820 Series. Apply 2 coats.
         2. PPG Paints. ProLuxe Premium Solid Stain Wood Finish (Matte), SIK710 Series. Apply 2 coats.
  1. EXTERIOR NATURAL FINISH WOODWORK SYSTEMS - STAINED FINISHES OVER NEW WOODWORK.
     1. Alkyd-Based Varnish Finish: Two finish coats of alkyd based clear varnish.
        1. Substrate: Properly prepared wood surface. Provide wood filler on open-grain wood before applying first varnish coat. Not for deck applications.

\*\* NOTE TO SPECIFIER \*\* Delete paste wood filler coat below for tight grained wood such as birch or poplar. Keep filler coat for Oak and Walnut and similar open-grain woods. Delete finish coat paint options not required,

* + - 1. Filler Coat: Open-Grain Wood Filler.
      2. Finish Coat:
         1. PPG Paints. Deft Defthane Polyurethane Interior/Exterior Oil-Based 275 g/L; Satin, DFT26.
         2. PPG Paints. Deft Defthane Polyurethane Interior/Exterior Oil-Based 275 g/L; Semi-Gloss, DFT123.
         3. PPG Paints. Deft Defthane Polyurethane Interior/Exterior Oil Based 275 g/L; Gloss, DFT21.

\*\* NOTE TO SPECIFIER \*\* This finish is a waterborne alternative to solvent-based finishes. Delete if not required.

* + 1. Waterborne Varnish Finish: Two finish coats of waterborne clear varnish.
       1. Substrate: Properly prepared wood surface. Wipe wood filler before applying stain. Not for deck applications.

\*\* NOTE TO SPECIFIER \*\* Delete paste wood filler coat below for tight-grained wood such as birch or poplar. Keep filler coat for Oak and Walnut and similar open-grain woods. Delete finish coat paint options if not required.

* + - 1. Filler Coat: Open-Grain Wood Filler.
      2. Finish Coat:
         1. PPG Paints: Clear Deft Polyurethane Interior/Exterior Water-Based Acrylic Satin, DFT259.
         2. PPG Paints: Clear Deft Polyurethane Interior/Exterior Water-Based Acrylic Semi-Gloss, DFT258.
         3. PPG Paints: Clear Deft Polyurethane Interior/Exterior Water-Based Acrylic Gloss, DFT257.
    1. Clear Penetrating Wood Finish: Penetrating sealer/finish system.
       1. Substrate: Properly cleaned and prepared wood surface.

\*\* NOTE TO SPECIFIER \*\* Delete sealer/finish coat paint options not required.

* + - 1. Sealer/Finish Coat:
         1. PPG Paints: Flood CWF Multi-Surface Waterproofing Clear Sealant, FLD540XI. Apply 2 coats using a wet-on-wet application.
         2. PPG Paints: Flood CWF-UV Clear/Natural Penetrating Wood Finish, FLD542 Series. Apply 1 coat.
         3. PPG Paints: Flood CWF-UV5 Clear/Natural Penetrating Wood Finish, FLD565 Series. Apply 1 coat.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. INTERIOR PAINT SYSTEMS

\*\* NOTE TO SPECIFIER \*\* Delete paragraphs and substrates not required.

* + 1. Acrylic or Alkyd Finish: Two finish coats over a primer.

\*\* NOTE TO SPECIFIER \*\* Delete substrate options not required.

* + - 1. Substrates:
         1. Concrete and masonry other than concrete unit masonry.
         2. Gypsum board.
         3. Plaster.
         4. Acoustical plaster.
         5. Wood and hardboard.

\*\* NOTE TO SPECIFIER \*\* Delete primer and paint options not required.

* + - 1. Primer:
         1. PPG Paints. Seal Grip Gripper Interior/Exterior 100 Percent Acrylic Latex Primer, 17-921XI Series. Applied Dry Film Thickness: 1.6 mils min.
         2. PPG Paints. Perma-Crete Interior/Exterior Alkali Resistant Primer, 4-603XI. Applied Dry Film Thickness: 1.4 mils min.
         3. PPG Paints. Speedhide Interior Quick-Drying Latex Sealer, 6-2. Applied Dry Film Thickness: 1.0 mils min.
      2. Primer-Zero VOC:
         1. PPG Paints. Speedhide Zero Interior Zero VOC Latex Primer, 6-4900XI. Applied Dry Film Thickness: 1.2 mils min.
      3. Primer for Alkyd-Enamel Finishes:
         1. PPG Paints. Seal Grip Interior/Exterior Alkyd Primer, 17-941NF. Applied Dry Film Thickness: 2.2 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete finish options and paint options not required.

* + - 1. Interior Gloss Level 1 Acrylic Finish:
         1. PPG Paints. Speedhide Interior Latex Ultra-Flat, 6-0011 Series. Applied Dry Film Thickness: 1.3 mils min.
         2. PPG Paints. Hi-Hide Interior Latex Ultra-Flat, 679-10 Series. Applied Dry Film Thickness: 1.6 mils min.
         3. PPG Paints. Speedhide Interior Wall Flat-Latex Paint, 6-70 Series. Applied Dry Film Thickness: 1.3 mils min.
         4. PPG Paints. Hi-Hide Interior Latex Flat, 689-10 Series. Applied Dry Film Thickness: 1.1 mils min.
         5. PPG Paints. Hi-Hide Interior Latex Ceramic Matte, 369-10 Series. Applied Dry Film Thickness: 1.1 mils min.
      2. Interior Gloss Level 1 Acrylic Finish-Zero VOC:
         1. PPG Paints. Speedhide Pro-EV Zero Interior Latex Flat, 12-110XI Series. Applied Dry Film Thickness: 1.3 mils min.
         2. PPG Paints. Speedhide Zero Interior Zero VOC Flat Latex, 6-5110 Series. Applied Dry Film Thickness: 1.2 mils min.
         3. PPG Paints. Pure Performance Paint & Primer in One, 100 percent Acrylic Latex Flat, 9-110XI Series. Applied Dry Film Thickness: 1.4 mils min.
         4. PPG Paints. Prominence Interior 100 percent Acrylic Latex Paint & Primer in One, Flat, 84-3110 Series. Applied Dry Film Thickness: 1.8 mils min.
      3. Interior Gloss Level 2 Acrylic Enamel Finish:
         1. PPG Paints. Speedhide Low-Sheen Eggshell Acrylic Latex Enamel, 6-4101 Series. Applied Dry Film Thickness: 1.5 mils min.
         2. PPG Paints. Speedhide Eggshell Acrylic Latex Enamel, 6-411 Series. Applied Dry Film Thickness: 1.5 mils min.
         3. PPG Paints. Hi-Hide Interior Latex Eggshell, 389-10 Series. Applied Dry Film Thickness: 1.4 mils min.
         4. PPG Paints. UltraLast Interior Latex Paint and Primer in One Matte, 13-210 Series. Applied Dry Film Thickness: 1.7 mils min.
      4. Interior Gloss Level 2 Acrylic Enamel Finish-Zero VOC:
         1. PPG Paints. Speedhide Pro-EV Zero Interior Latex Eggshell, 12-310XI Series. Applied Dry Film Thickness: 1.3 mils min.
         2. PPG Paints. Speedhide Zero Interior Zero VOC Eggshell Latex, 6-5310 Series. Applied Dry Film Thickness: 1.5 mils min.
         3. PPG Paints. Pure Performance Paint & Primer in One, 100 percent Acrylic Latex Eggshell, 9-310XI Series. Applied Dry Film Thickness: 1.4 mils min.
         4. PPG Paints. Prominence Interior 100 percent Acrylic Latex Paint & Primer in One, Eggshell, 84-3310 Series. Applied Dry Film Thickness: 1.6 mils min.
      5. Interior Gloss Level 3 Acrylic Enamel Finish:
         1. PPG Paints. Speedhide Interior Satin Latex, 6-3511 Series. Applied Dry Film Thickness: 1.3 mils min.
         2. PPG Paints. UltraLast Interior Latex Paint & Primer Eggshell, 13-310 Series. Applied Dry Film Thickness: 1.6 mils min.
         3. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Satin DTM Industrial Enamel, 90-1710 Series. Applied Dry Film Thickness: 2.0 mils min.
      6. Interior Gloss Level 3 Acrylic Enamel Finish Zero VOC:
         1. PPG Paints. Speedhide Zero Interior Zero VOC Satin Latex, 6-5410 Series. Applied Dry Film Thickness: 1.4 mils min.
         2. PPG Paints. Prominence Interior 100 percent Acrylic Latex Paint & Primer in One, Satin, 84-3410 Series. Applied Dry Film Thickness: 1.6 mils min.
         3. PPG Paints. Copper Armor Interior Latex Paint & Primer, Eggshell, 29-1310 Series. Applied Dry Film Thickness: 1.6 mils min.
      7. Interior Gloss Level 3 Alkyd Enamel Finish:
         1. PPG Paints. Glyptex Interior Alkyd Enamel Satin, 39-10 Series. Applied Dry Film Thickness: 2.0 mils min.
      8. Interior Gloss Level 3 Water-Based Epoxy Finish:
         1. PPG Paints. Pitt Glaze WB1 Interior Pre-Catalyzed Acrylic Epoxy, 16-310 Series. Applied Dry Film Thickness: 1.5 mils min.
      9. Interior Gloss Level 4 Acrylic Enamel Finish:
         1. PPG Paints. Speedhide Interior Lo Lustre Latex, 6-3011 Series. Applied Dry Film Thickness: 1.3 mils min.
         2. PPG Paints. Hi-Hide Interior Latex Satin, 379-10 Series. Applied Dry Film Thickness: 1.4 mils min.
         3. PPG Paints. V52-410 Series Breakthrough Interior/Exterior Waterborne Acrylic Satin. Applied Dry Film Thickness: 1.4 mils min.
      10. Interior Gloss Level 4 Acrylic Enamel Finish Zero VOC:
          1. PPG Paints. Copper Armor Interior Latex Paint & Primer, Satin, 29-1410 Series. Applied Dry Film Thickness: 1.6 mils min.
      11. Interior Gloss Level 5 Acrylic Enamel Finish:
          1. PPG Paints. Speedhide Interior Semi-Gloss Latex, 6-500 Series. Applied Dry Film Thickness: 1.4 mils min.
          2. PPG Paints. Hi-Hide Interior Latex Eggshell, 389-10 Series. Applied Dry Film Thickness: 1.4 mils min.
          3. PPG Paints. Advantage 900 Interior/Exterior Styrene Acrylic Semi-Gloss, 919-10 Series. Applied Dry Film Thickness: 1.4 mils min.
          4. PPG Paints. UltraLast Interior Latex Paint and Primer in One Semi-Gloss, 13-510 Series. Applied Dry Film Thickness: 1.5 mils min.
          5. PPG Paints. Breakthrough Interior/Exterior Waterborne Acrylic Semi-Gloss, V62-510 Series. Applied Dry Film Thickness: 1.5 mils min.
          6. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Semi-Gloss DTM Industrial Enamel, 90-1610 Series. Applied Dry Film Thickness: 2.0 mils min.
      12. Interior Gloss Level 5 Acrylic Enamel Finish-Zero VOC:
          1. PPG Paints. Speedhide Pro-EV Zero Interior Latex Semi-Gloss, 12-510XI Series. Applied Dry Film Thickness: 1.3 mils min.
          2. PPG Paints. Speedhide Zero Interior Zero VOC Semi-Gloss Latex, 6-5510 Series. Applied Dry Film Thickness: 1.5 mils min.
          3. PPG Paints. Pure Performance Paint & Primer in One, 100 percent Acrylic Latex Eggshell, 9-510XI Series. Applied Dry Film Thickness: 1.4 mils min.
          4. PPG Paints. Prominence Interior 100 percent Acrylic Latex Paint & Primer in One, Semi-Gloss, 84-3510 Series. Applied Dry Film Thickness: 1.6 mils min.
          5. PPG Paints. Copper Armor Interior Latex Paint & Primer, Semi-Gloss, 29-1510 Series. Applied Dry Film Thickness: 1.6 mils min.
      13. Interior Gloss Level 5 Alkyd Enamel Finish:
          1. PPG Paints. Glyptex Interior Alkyd Enamel Semi-Gloss, 439-10 Series. Applied Dry Film Thickness: 2.0 mils min.
          2. PPG Paints. HPC Urethane Alkyd Semi-Gloss Enamel, 4336H Series. Applied Dry Film Thickness: 2.0 mils min.
      14. Interior Gloss Level 5 Water-Based Epoxy Finish:
          1. PPG Paints. Pitt Glaze WB1 Interior Pre-Catalyzed Acrylic Epoxy, 16-510 Series. Applied Dry Film Thickness: 1.5 mils min.
      15. Interior Gloss Level 6 and 7 Acrylic Enamel Finish:
          1. PPG Paints. Speedhide Interior/Exterior High Gloss Acrylic Paint, 6-8534 Series. Applied Dry Film Thickness: 1.2 mils min.
          2. PPG Paints. Advantage 900 Interior/Exterior Styrene Acrylic Gloss, 909-10 Series. Applied Dry Film Thickness: 1.4 mils min.
          3. PPG Paints. Breakthrough Interior/Exterior Waterborne Acrylic Gloss, V72-610 Series. Applied Dry Film Thickness: 1.4 mils min.
          4. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Gloss DTM Industrial Enamel, 90-1510 Series. Applied Dry Film Thickness: 1.5 mils min.
      16. Interior Gloss Level 6 and 7 Alkyd Enamel Low Odor Finish:
          1. PPG Paints. Glyptex Interior/Exterior Alkyd Gloss Enamel, 4139-10 Series. Applied Dry Film Thickness: 1.8 mils min.
          2. PPG Paints. 7-Line Industrial Gloss-Oil Interior/Exterior Enamel, 7-282 Series. Applied Dry Film Thickness: 2.0 mils min.
    1. Acrylic or Alkyd Finish: Two finish coats over a block filler.
       1. Substrate: Concrete Unit Masonry.

\*\* NOTE TO SPECIFIER \*\* A second coat of block filler may be needed over very coarse concrete masonry substrates. Delete block filler options if not required.

* + - 1. Block Filler:
         1. PPG Paints. Speedhide Interior/Exterior Masonry Latex Block Filler, 6-7. Applied Dry Film Thickness: 6.0 to 14.0 mils min.
         2. PPG Paints. Speedhide Interior/Exterior Acrylic Masonry Block Filler, 6-15XI. Applied Dry Film Thickness: 8.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete finish and paint options not required.

* + - 1. Interior Gloss Level 1 Acrylic Finish:
         1. PPG Paints. Speedhide Interior Latex Ultra-Flat, 6-0011 Series. Applied Dry Film Thickness: 1.3 mils min.
         2. PPG Paints. Hi-Hide Interior Latex Ultra-Flat, 679-10 Series. Applied Dry Film Thickness: 1.6 mils min.
         3. PPG Paints. Speedhide Interior Wall Flat-Latex Paint, 6-70 Series. Applied Dry Film Thickness: 1.3 mils min.
         4. PPG Paints. Hi-Hide Interior Latex Flat, 689-10 Series. Applied Dry Film Thickness: 1.1 mils min.
         5. PPG Paints. Hi-Hide Interior Latex Ceramic Matte, 369-10 Series. Applied Dry Film Thickness: 1.1 mils min.
      2. Interior Gloss Level 1 Acrylic Finish-Zero VOC:
         1. PPG Paints. Speedhide Pro-EV Zero Interior Latex Flat, 12-110XI Series. Applied Dry Film Thickness: 1.3 mils min.
         2. PPG Paints. Speedhide Zero Interior Zero VOC Flat Latex, 6-5110 Series. Applied Dry Film Thickness: 1.2 mils min.
         3. PPG Paints. Pure Performance Paint & Primer in One, 100 percent Acrylic Latex Flat, 9-110XI Series. Applied Dry Film Thickness: 1.4 mils min.
         4. PPG Paints. Prominence Interior 100 percent Acrylic Latex Paint & Primer in One, Flat, 84-3110 Series. Applied Dry Film Thickness: 1.8 mils min.
      3. Interior Gloss Level 2 Acrylic Enamel Finish:
         1. PPG Paints. Speedhide Low-Sheen Eggshell Acrylic Latex Enamel, 6-4101 Series. Applied Dry Film Thickness: 1.5 mils min.
         2. PPG Paints. Speedhide Eggshell Acrylic Latex Enamel, 6-411 Series. Applied Dry Film Thickness: 1.5 mils min.
         3. PPG Paints. Hi-Hide Interior Latex Eggshell, 389-10 Series. Applied Dry Film Thickness: 1.4 mils min.
         4. PPG Paints. UltraLast Interior Latex Paint & Primer Matte, 13-210 Series. Applied Dry Film Thickness: 1.7 mils min.
      4. Interior Gloss Level 2 Acrylic Enamel Finish-Zero VOC:
         1. PPG Paints. Speedhide Pro-EV Zero Interior Latex Eggshell, 12-310XI Series. Applied Dry Film Thickness: 1.3 mils min.
         2. PPG Paints. Speedhide Zero Interior Zero VOC Eggshell Latex, 6-5310 Series. Applied Dry Film Thickness: 1.5 mils min.
         3. PPG Paints. Pure Performance Paint & Primer in One, 100 percent Acrylic Latex Eggshell, 9-310XI Series. Applied Dry Film Thickness: 1.4 mils min.
         4. PPG Paints. Prominence Interior 100 percent Acrylic Latex Paint & Primer in One, Eggshell, 84-3310 Series. Applied Dry Film Thickness: 1.6 mils min.
      5. Interior Gloss Level 3 Acrylic Enamel Finish:
         1. PPG Paints. Speedhide Interior Satin Latex, 6-3511 Series. Applied Dry Film Thickness: 1.3 mils min.
         2. PPG Paints. UltraLast Interior Latex Paint & Primer Eggshell, 13-310 Series. Applied Dry Film Thickness: 1.6 mils min.
         3. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Satin DTM Industrial Enamel, 90-1710 Series. Applied Dry Film Thickness: 2.0 mils min.
      6. Interior Gloss Level 3 Acrylic Enamel Finish Zero VOC:
         1. PPG Paints. Speedhide Zero Interior Zero VOC Satin Latex, 6-5410 Series. Applied Dry Film Thickness: 1.4 mils min.
         2. PPG Paints. Prominence Interior 100 percent Acrylic Latex Paint & Primer in One, Satin, 84-3410 Series. Applied Dry Film Thickness: 1.6 mils min.
         3. PPG Paints. Copper Armor Interior Latex Paint & Primer, Eggshell, 29-1310 Series. Applied Dry Film Thickness: 1.6 mils min.
      7. Interior Gloss Level 3 Alkyd Enamel Finish:
         1. PPG Paints. Glyptex Interior Alkyd Enamel Satin, 39-10 Series. Applied Dry Film Thickness: 2.0 mils min.
      8. Interior Gloss Level 3 Water-Based Epoxy Finish:
         1. PPG Paints. Pitt Glaze WB1 Interior Pre-Catalyzed Acrylic Epoxy, 16-310 Series. Applied Dry Film Thickness: 1.5 mils min.
      9. Interior Gloss Level 4 Acrylic Enamel Finish:
         1. PPG Paints. Speedhide Interior Lo-Lustre Latex, 6-3011 Series. Applied Dry Film Thickness: 1.3 mils min.
         2. PPG Paints. Hi-Hide Interior Latex Satin, 379-10 Series. Applied Dry Film Thickness: 1.4 mils min.
         3. PPG Paints. V52-410 Series Breakthrough Interior/Exterior Waterborne Acrylic Satin. Applied Dry Film Thickness: 1.4 mils min.
      10. Interior Gloss Level 4 Acrylic Enamel Finish Zero VOC:
          1. PPG Paints. Copper Armor Interior Latex Paint & Primer, Satin, 29-1410 Series. Applied Dry Film Thickness: 1.6 mils min.
      11. Interior Gloss Level 5 Acrylic Enamel:
          1. PPG Paints. Speedhide Interior Semi-Gloss Latex, 6-500 Series. Applied Dry Film Thickness: 1.4 mils min.
          2. PPG Paints. Hi-Hide Interior Latex Eggshell, 389-10 Series. Applied Dry Film Thickness: 1.4 mils min.
          3. PPG Paints. Advantage 900 Interior/Exterior Styrene Acrylic Semi-Gloss, 919-10 Series. Applied Dry Film Thickness: 1.4 mils min.
          4. PPG Paints. UltraLast Interior Latex Paint & Primer Semi-Gloss, 13-510 Series. Applied Dry Film Thickness: 1.5 mils min.
          5. PPG Paints. Breakthrough Interior/Exterior Waterborne Acrylic Semi-Gloss, V62-510 Series. Applied Dry Film Thickness: 1.5 mils min.
          6. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Semi-Gloss DTM Industrial Enamel, 90-1610 Series. Applied Dry Film Thickness: 2.0 mils min.
      12. Interior Gloss Level 5 Acrylic Enamel-Zero VOC:
          1. PPG Paints. Speedhide Pro-EV Zero Interior Latex Semi-Gloss, 12-510XI Series. Applied Dry Film Thickness: 1.3 mils min.
          2. PPG Paints. Speedhide Zero Interior Zero VOC Semi-Gloss Latex, 6-5510 Series. Applied Dry Film Thickness: 1.5 mils min.
          3. PPG Paints. Pure Performance Paint & Primer in One, 100 percent Acrylic Latex Eggshell, 9-510XI Series. Applied Dry Film Thickness: 1.4 mils min.
          4. PPG Paints. Prominence Interior 100 percent Acrylic Latex Paint & Primer in One, Semi-Gloss, 84-3510 Series. Applied Dry Film Thickness: 1.6 mils min.
          5. PPG Paints. Copper Armor Interior Latex Paint & Primer, Semi-Gloss, 29-1510 Series. Applied Dry Film Thickness: 1.6 mils min.
      13. Interior Gloss Level 5 Alkyd Enamel Finish:
          1. PPG Paints. Glyptex Interior Alkyd Enamel Semi-Gloss, 439-10 Series. Applied Dry Film Thickness: 2.0 mils min.
          2. PPG Paints. HPC Urethane Alkyd Semi-Gloss Enamel, 4336H Series. Applied Dry Film Thickness: 2.0 mils min.
      14. Interior Gloss Level 5 Water-Based Epoxy Finish:
          1. PPG Paints. Pitt Glaze WB1 Interior Pre-Catalyzed Acrylic Epoxy, 16-510 Series. Applied Dry Film Thickness: 1.5 mils min.
      15. Interior Gloss Level 6 and 7 Acrylic Enamel Finish:
          1. PPG Paints. Speedhide Interior/Exterior High Gloss Acrylic Paint, 6-8534 Series. Applied Dry Film Thickness: 1.2 mils min.
          2. PPG Paints. Advantage 900 Interior/Exterior Styrene Acrylic Gloss, 909-10 Series. Applied Dry Film Thickness: 1.4 mils min.
          3. PPG Paints. Breakthrough Interior/Exterior Waterborne Acrylic Gloss, V72-610 Series. Applied Dry Film Thickness: 1.4 mils min.
          4. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Gloss DTM Industrial Enamel, 90-1510 Series. Applied Dry Film Thickness: 1.5 mils min.
      16. Interior Gloss Level 6 and 7 Alkyd Enamel Low Odor Finish:
          1. PPG Paints. Glyptex Interior/Exterior Alkyd Gloss Enamel, 4139-10 Series. Applied Dry Film Thickness: 1.8 mils min.
          2. PPG Paints. 7-Line Industrial Gloss-Oil Interior/Exterior Enamel, 7-282 Series. Applied Dry Film Thickness: 2.0 mils min.
    1. Acrylic or Alkyd Finish: Two finish coats over a primer.

\*\* NOTE TO SPECIFIER \*\* Delete substrate option not required.

* + - 1. Substrates:
         1. Ferrous Metal.
         2. Zinc-Coated Metal.

\*\* NOTE TO SPECIFIER \*\* Most architectural coatings withstand surface temperatures to approximately 200 deg F (93 deg C) without problems. For hot-water and steam piping systems that are expected to exceed 200 deg F (93 deg C), insert a suitable acrylic or alkyd organic coating or a suitable epoxy coating. Delete primer option not required.

* + - 1. Acrylic Primer :
         1. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic DTM Primer, 90-1912 Series. Applied Dry Film Thickness: 2.0 mils min.
      2. Primer:
         1. PPG Paints. Speedhide Alkyd Metal Primer, 6-208 Series. Applied Dry Film Thickness: 2.3 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete finish options and paint options not required.

* + - 1. Interior Gloss Level 1 Acrylic Finish:
         1. PPG Paints. Speedhide Interior Latex Ultra-Flat, 6-0011 Series. Applied Dry Film Thickness: 1.3 mils min.
         2. PPG Paints. Hi-Hide Interior Latex Ultra-Flat, 679-10 Series. Applied Dry Film Thickness: 1.6 mils min.
         3. PPG Paints. Speedhide Interior Wall Flat-Latex Paint, 6-70 Series. Applied Dry Film Thickness: 1.3 mils min.
         4. PPG Paints. Hi-Hide Interior Latex Flat, 689-10 Series. Applied Dry Film Thickness: 1.1 mils min.
         5. PPG Paints. Hi-Hide Interior Latex Ceramic Matte, 369-10 Series. Applied Dry Film Thickness: 1.1 mils min.
      2. Interior Gloss Level 1 Acrylic Finish-Zero VOC:
         1. PPG Paints. Speedhide Pro-EV Zero Interior Latex Flat, 12-110XI Series. Applied Dry Film Thickness: 1.3 mils min.
         2. PPG Paints: Speedhide Zero Interior Zero VOC Flat Latex, 6-5110 Series. Applied Dry Film Thickness: 1.2 mils min.
         3. PPG Paints. Pure Performance Paint & Primer in One, 100 percent Acrylic Latex Flat, 9-110XI Series. Applied Dry Film Thickness: 1.4 mils min.
         4. PPG Paints. Prominence Interior 100 percent Acrylic Latex Paint & Primer in One, Flat, 84-3110 Series. Applied Dry Film Thickness: 1.8 mils min.
      3. Interior Gloss Level 2 Acrylic Enamel Finish:
         1. PPG Paints. Speedhide Low-Sheen Eggshell Acrylic Latex Enamel, 6-4101 Series. Applied Dry Film Thickness: 1.5 mils min.
         2. PPG Paints: Speedhide Eggshell Acrylic Latex Enamel, 6-411 Series. Applied Dry Film Thickness: 1.5 mils min.
         3. PPG Paints. Hi-Hide Interior Latex Eggshell, 389-10 Series. Applied Dry Film Thickness: 1.4 mils min.
         4. PPG Paints. UltraLast Interior Latex Paint & Primer Matte, 13-210 Series. Applied Dry Film Thickness: 1.7 mils min.
      4. Interior Gloss Level 2 Acrylic Enamel Finish-Zero VOC:
         1. PPG Paints. Speedhide Pro-EV Zero Interior Latex Eggshell, 12-310XI Series. Applied Dry Film Thickness: 1.3 mils min.
         2. PPG Paints. Speedhide Zero Interior Zero VOC Eggshell Latex, 6-5310 Series. Applied Dry Film Thickness: 1.5 mils min.
         3. PPG Paints. Pure Performance Paint & Primer in One, 100 percent Acrylic Latex Eggshell, 9-310XI Series. Applied Dry Film Thickness: 1.4 mils min.
         4. PPG Paints. Prominence Interior 100 percent Acrylic Latex Paint & Primer in One, Eggshell, 84-3310 Series. Applied Dry Film Thickness: 1.6 mils min.
      5. Interior Gloss Level 3 Acrylic Enamel Finish:
         1. PPG Paints. Speedhide Interior Satin Latex, 6-3511 Series. Applied Dry Film Thickness: 1.3 mils min.
         2. PPG Paints. UltraLast Interior Latex Paint & Primer Eggshell, 13-310 Series. Applied Dry Film Thickness: 1.6 mils min.
         3. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Satin DTM Industrial Enamel, 90-1710 Series. Applied Dry Film Thickness: 2.0 mils min.
      6. Interior Gloss Level 3 Acrylic Enamel Finish Zero VOC:
         1. PPG Paints. Speedhide Zero Interior Zero VOC Satin Latex, 6-5410 Series. Applied Dry Film Thickness: 1.4 mils min.
         2. PPG Paints. Prominence Interior 100 percent Acrylic Latex Paint & Primer in One, Satin, 84-3410 Series. Applied Dry Film Thickness: 1.6 mils min.
         3. PPG Paints. Copper Armor Interior Latex Paint & Primer, Eggshell, 29-1310 Series. Applied Dry Film Thickness: 1.6 mils min.
      7. Interior Gloss Level 3 Alkyd Enamel Finish:
         1. PPG Paints. Glyptex Interior Alkyd Enamel Satin, 39-10 Series. Applied Dry Film Thickness: 2.0 mils min.
      8. Interior Gloss Level 3 Water-Based Epoxy Finish:
         1. PPG Paints. Pitt Glaze WB1 Interior Pre-Catalyzed Acrylic Epoxy, 16-310 Series. Applied Dry Film Thickness: 1.5 mils min.
      9. Interior Gloss Level 4 Acrylic Enamel Finish:
         1. PPG Paints. Speedhide Interior Lo-Lustre Latex, 6-3011 Series. Applied Dry Film Thickness: 1.3 mils min.
         2. PPG Paints. Hi-Hide Interior Latex Satin, 379-10 Series. Applied Dry Film Thickness: 1.4 mils min.
         3. PPG Paints. V52-410 Series Breakthrough Interior/Exterior Waterborne Acrylic Satin. Applied Dry Film Thickness: 1.4 mils min.
      10. Interior Gloss Level 4 Acrylic Enamel Finish Zero VOC:
          1. PPG Paints. Copper Armor Interior Latex Paint & Primer, Satin, 29-1410 Series. Applied Dry Film Thickness: 1.6 mils min.
      11. Interior Gloss Level 5 Acrylic Enamel:
          1. PPG Paints. Speedhide Interior Semi-Gloss Latex, 6-500 Series. Applied Dry Film Thickness: 1.4 mils min.
          2. PPG Paints. Hi-Hide Interior Latex Eggshell, 389-10 Series. Applied Dry Film Thickness: 1.4 mils min.
          3. PPG Paints. Advantage 900 Interior/Exterior Styrene Acrylic Semi-Gloss, 919-10 Series. Applied Dry Film Thickness: 1.4 mils min.
          4. PPG Paints. UltraLast Interior Latex Paint & Primer Semi-Gloss, 13-510 Series. Applied Dry Film Thickness: 1.5 mils min.
          5. PPG Paints. Breakthrough Interior/Exterior Waterborne Acrylic Semi-Gloss, V62-510 Series. Applied Dry Film Thickness: 1.5 mils min.
          6. PPG Paints, Pitt-Tech Plus EP Interior/Exterior Acrylic Semi-Gloss DTM Industrial Enamel, 90-1610 Series. Applied Dry Film Thickness: 2.0 mils min.
      12. Interior Gloss Level 5 Acrylic Enamel-Zero VOC:
          1. PPG Paints. Speedhide Pro-EV Zero Interior Latex Semi-Gloss, 12-510XI Series. Applied Dry Film Thickness: 1.3 mils min.
          2. PPG Paints. Speedhide Zero Interior Zero VOC Semi-Gloss Latex. Applied Dry Film Thickness: 1.5 mils min.
          3. PPG Paints, 6-5510 Series. Pure Performance Paint & Primer in One, 100 percent Acrylic Latex Eggshell, 9-510XI Series. Applied Dry Film Thickness: 1.4 mils min.
          4. PPG Paints. Prominence Interior 100 percent Acrylic Latex Paint & Primer in One, Semi-Gloss, 84-3510 Series. Applied Dry Film Thickness: 1.6 mils min.
          5. PPG Paints. Copper Armor Interior Latex Paint & Primer, Semi-Gloss, 29-1510 Series. Applied Dry Film Thickness: 1.6 mils min.
      13. Interior Gloss Level 5 Alkyd Enamel Finish:
          1. PPG Paints. Glyptex Interior Alkyd Enamel Semi-Gloss, 439-10 Series. Applied Dry Film Thickness: 2.0 mils min.
          2. PPG Paints. HPC Urethane Alkyd Semi-Gloss Enamel, 4336H Series. Applied Dry Film Thickness: 2.0 mils min.
      14. Interior Gloss Level 5 Water-Based Epoxy Finish:
          1. PPG Paints. Pitt Glaze WB1 Interior Pre-Catalyzed Acrylic Epoxy, 16-510 Series. Applied Dry Film Thickness: 1.5 mils min.
      15. Interior Gloss Level 6 and 7 Acrylic Enamel Finish:
          1. PPG Paints. Speedhide Interior/Exterior High Gloss Acrylic Paint, 6-8534 Series. Applied Dry Film Thickness: 1.2 mils min.
          2. PPG Paints. Advantage 900 Interior/Exterior Styrene Acrylic Gloss, 909-10 Series. Applied Dry Film Thickness: 1.4 mils min.
          3. PPG Paints. Breakthrough Interior/Exterior Waterborne Acrylic Gloss, V72-610 Series. Applied Dry Film Thickness: 1.4 mils min.
          4. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Gloss DTM Industrial Enamel, 90-1510 Series. Applied Dry Film Thickness: 2.0 mils min.
      16. Interior Gloss Level 6 and 7 Alkyd Enamel Finish:
          1. PPG Paints. Glyptex Interior/Exterior Alkyd Gloss Enamel, 4139-10 Series. Applied Dry Film Thickness: 1.8 mils min.
          2. PPG Paints. 7-Line Industrial Gloss-Oil Interior/Exterior Enamel, 7-282 Series. Applied Dry Film Thickness: 2.0 mils min.
    1. Dry-Fall Finish- Two Finish Coats Over Primer:
       1. Substrates:
          1. Ferrous Metal Ceiling Deck.
          2. Zinc-Coated Metal Ceiling Deck.

\*\* NOTE TO SPECIFIER \*\* Delete primer option not required.

* + - 1. Acrylic Primer :
         1. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic DTM Primer, 90-1912 Series. Applied Dry Film Thickness: 2.0 mils min.
      2. Primer:
         1. PPG Paints. Series Speedhide Alkyd Metal Primer, 6-208. Applied Dry Film Thickness: 2.3 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete finish options not required.

* + - 1. Interior Gloss Level 1 Water-Based Finish:
         1. PPG Paints. Series Speedhide Super Tech WB Interior Dry-Fog Flat Latex, 6-725XI. Applied Dry Film Thickness: 2.2 mils min.
      2. Interior Gloss Level 3 Water-Based Finish:
         1. PPG Paints. Speedhide Super Tech WB Interior 100 percent Acrylic Dry-Fog Eggshell Latex, 6-724XI. Applied Dry Film Thickness: 2.0 mils min.
      3. Interior Gloss Level 5 Water-Based Finish:
         1. PPG Paints. Speedhide Super Tech WB Interior 100 percent Acrylic Dry-Fog Semi-Gloss Latex, 6-727XI. Applied Dry Film Thickness: 2.2 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. INTERIOR STAIN AND NATURAL FINISH WOODWORK SYSTEMS

\*\* NOTE TO SPECIFIER \*\* Delete paragraphs not required.

* + 1. Alkyd Varnish Finish over Stain: Two finish coats of alkyd-based clear varnish over a sealer coat and wood stain. Wipe wood filler before applying stain.
       1. Substrate: Stained woodwork.

\*\* NOTE TO SPECIFIER \*\* Delete paste wood filler coat below for tight-grained wood such as birch or poplar. Keep filler coat for Oak and Walnut and similar open-grain woods. Delete filler coat if not required.

* + - 1. Filler Coat: Open-Grain Wood Filler.

\*\* NOTE TO SPECIFIER \*\* Delete either stain coat or sealer coat paragraph.

* + - 1. Stain Coat:
         1. PPG Paints. Deft Oil-Based Wood Stain, DFT400.
      2. Sealer Coat:
         1. PPG Paints. Deft Sanding Sealer Interior Water-Based, DFT61.

\*\* NOTE TO SPECIFIER \*\* Delete finish coat options not required.

* + - 1. Finish Coat:
         1. PPG Paints. Deft Polyurethane Interior Oil-Based 350 g/L Satin, DFT129.
         2. PPG Paints. Deft Polyurethane Interior Oil-Based 350 g/L Semi-Gloss, DFT128.
         3. PPG Paints. Deft Polyurethane Interior Oil-Based 350 g/L Gloss, DFT127.
    1. Waterborne Varnish Finish over Stain: Two finish coats of waterborne clear varnish over a sealer coat and wood stain. Wipe wood filler before applying stain.
       1. Substrate: Stained woodwork.

\*\* NOTE TO SPECIFIER \*\* Delete filler coat below for tight grained wood such as birch or poplar. keep filler coat for Oak and Walnut and similar open-grain woods. Delete filler coat if not required.

* + - 1. Filler Coat: Open-Grain Wood Filler.

\*\* NOTE TO SPECIFIER \*\* Delete either stain coat or sealer coat paragraph.

* + - 1. Stain Coat: PPG Paints. Deft Oil-Based Wood Stain, DFT400.
      2. Sealer Coat: PPG Paints. Deft Sanding Sealer Interior Water-Based, DFT61.

\*\* NOTE TO SPECIFIER \*\* Delete finish coat options not required.

* + - 1. Finish Coat:
         1. Deft. Clear Polyurethane Interior Water-Based Acrylic Satin, DFT159.
         2. PPG Paints. Deft Clear Polyurethane Interior Water-Based Acrylic Semi-Gloss, DFT158.
         3. PPG Paints. Deft Clear Polyurethane Interior Water-Based Acrylic Gloss, DFT157.
    1. Alkyd-Based Stain Wax-Polished Finish: Three finish coats of paste wax over a sealer coat and wood stain. Wipe wood filler before applying stain.
       1. Substrate: Stained woodwork.

\*\* NOTE TO SPECIFIER \*\* Delete either filler coat or stain coat paragraph.

* + - 1. Filler Coat: Open-Grain Wood Filler.
      2. Stain Coat: PPG Paints: Deft Oil-Based Wood Stain, DFT400.
      3. Sealer Coat: PPG Paints: Deft Sanding Sealer Interior Oil-Based, DFT60.
      4. Finish Coat: Paste wax.
    1. Alkyd-Based Varnish Finish: Two finish coats of alkyd based clear varnish over a sanding sealer. Provide wood filler on open-grain wood before applying first varnish coat.
       1. Substrate: Natural Finish Woodwork.
       2. Filler Coat: Open-Grain Wood Filler.
       3. Sealer Coat: PPG Paints: Sanding Sealer Interior Water-Based, DFT61.

\*\* NOTE TO SPECIFIER \*\* Delete finish coat options not required.

* + - 1. Finish Coat:
         1. PPG Paints. Deft Polyurethane Interior Oil-Based 350 g/L Satin, DFT129.
         2. PPG Paints: Deft Polyurethane Interior Oil-Based 350 g/L Semi-Gloss, DFT128.
         3. PPG Paints. Deft Polyurethane Interior Oil-Based 350 g/L Gloss, DFT127.
    1. Waterborne Satin-Varnish Finish: Two finish coats of waterborne clear varnish over a sanding sealer. Wipe wood filler before applying stain.

\*\* NOTE TO SPECIFIER \*\* Delete paste wood filler coat below for tight-grained wood such as birch or poplar. Keep filler coat for Oak and Walnut and similar open-grain woods. Delete filler coat if not required.

* + - 1. Substrate: Natural Finish Woodwork.
      2. Filler Coat: Open-Grain Wood Filler.
      3. Sealer Coat: PPG Paints. Deft Sanding Sealer Interior Water-Based, DFT61.

\*\* NOTE TO SPECIFIER \*\* Delete finish coat options not required.

* + - 1. Finish Coats:
         1. PPG Paints. Deft Clear Polyurethane Interior Water-Based Acrylic Satin, DFT159.
         2. PPG Paints. Deft Clear Polyurethane Interior Water-Based Acrylic Semi-Gloss, DFT158.
         3. PPG Paints. Deft Clear Polyurethane Interior Water-Based Acrylic Gloss, DFT157.

\*\* NOTE TO SPECIFIER \*\* Three coats of wax are usually adequate for most work. Delete if not required.

* + 1. Alkyd-Based Sealer Wax-Polished Finish: Three finish coats of paste wax over a sanding-sealer. Wipe wood filler before applying stain.
       1. Substrate: Natural Finish Woodwork.
       2. Filler Coat: Open-Grained Wood Filler.
       3. Sealer Coat: PPG Paints: Deft Sanding Sealer Interior Oil-Based, DFT60:
       4. Finish Coat: Paste wax.
    2. Waterborne Sealer Wax-Polished Finish: Three finish coats of paste wax over a sanding-sealer. Wipe wood filler before applying stain.
       1. Substrate: Natural Finish Woodwork.
       2. Filler Coat: Open-Grained Wood Filler.
       3. Sealer Coat: PPG Paints: Deft Sanding Sealer Interior Water-Based, DFT61.
       4. Finish Coat: Paste wax.

\*\* NOTE TO SPECIFIER \*\* Flat finishes are not in this Article since flat high-performance coatings are seldom used on exteriors. If flat finish is required, consult manufacturers for recommendation. Delete article if not required.

* 1. EXTERIOR HIGH PERFORMANCE COATING SYSTEMS

\*\* NOTE TO SPECIFIER \*\* Delete paragraphs not required. Keep paragraph below for high-gloss polyurethane finish over concrete or brick masonry surfaces.

* + 1. Epoxy with Urethane Finish: One finish coat over an intermediate coat and a primer.
       1. Substrate: Concrete and Masonry, other than concrete masonry units.

\*\* NOTE TO SPECIFIER \*\* Delete primer option not required.

* + - 1. Primer:
         1. PPG Paints. Pitt-Guard Rapid Coat DTR Polyamide Epoxy Coating, 95-245/95-249 Series. Applied Dry Film Thickness: 4.0 mils min.
         2. PPG Paints. Amerlock 2 VOC Fast Dry, High Solids Semi-Gloss Epoxy Coating, AK2V-3 Series. Applied Dry Film Thickness: 4.0 mils min.
         3. PPG Paints. Amerlock 600 High Build Semi-Gloss Epoxy Coating, AK600-3 Series. Applied Dry Film Thickness: 5.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete intermediate coat options and paint options not required.

* + - 1. Intermediate Coat: Epoxy:
         1. PPG Paints. Pitt-Guard Rapid Coat DTR Polyamide Epoxy Coating, 95-245/95-249 Series. Applied Dry Film Thickness: 4.0 mils min.
         2. PPG Paints. Amerlock 2 VOC Fast Dry, High Solids Semi-Gloss Epoxy Coating, AK2V-3 Series. Applied Dry Film Thickness: 4.0 mils min.
         3. PPG Paints. Amerlock 600 High Build Semi-Gloss Epoxy Coating, AK600-3 Series. Applied Dry Film Thickness: 5.0 mils min.
      2. Intermediate Coat: Aliphatic Polyurethane Enamel:
         1. PPG Paints. Pitthane Ultra LS Low Sheen Urethane Enamel, 95-8901/95-899 Series. Applied Dry Film Thickness: 2.0 mils min.
         2. PPG Paints. Pitthane High Build Semi-Gloss Urethane Enamel, 95-8801/95-859 Series. Applied Dry Film Thickness: 2.0 mils min.
         3. PPG Paints. Pitthane Ultra Gloss Urethane Enamel, 95-812/95-819 Series. Applied Dry Film Thickness: 2.0 mils min.
      3. Intermediate Coat: Polyester Acrylic Polyurethane:
         1. PPG Paints. Amershield VOC Low VOC Gloss Polyester Acrylic Polyurethane, AMV-3 Series. Applied Dry Film Thickness: 3.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete topcoat options not required.

* + - 1. Topcoat: Gloss Level 3 and 4, Aliphatic Polyurethane Enamel:
         1. PPG Paints. Pitthane Ultra LS Low Sheen Urethane Enamel, 95-8901/95-899 Series. Applied Dry Film Thickness: 2.0 mils min.
      2. Topcoat: Gloss Level 5, Aliphatic Polyurethane Enamel:
         1. PPG Paints. Pitthane High Build Semi-Gloss Urethane Enamel, 95-8801/95-859 Series. Applied Dry Film Thickness: 2.0 mils min.
      3. Topcoat: Gloss Level 6 and 7, Aliphatic Polyurethane Enamel:
         1. PPG Paints. Pitthane Ultra Gloss Urethane Enamel, 95-812/95-819 Series. Applied Dry Film Thickness: 2.0 mils min.
      4. Topcoat: Gloss Level 6 and 7, Polyester Acrylic Polyurethane
         1. PPG Paints. Amershield VOC Low VOC Gloss Polyester Acrylic Polyurethane, AMV-3 Series. Applied Dry Film Thickness: 3.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Keep paragraph below for high-gloss polyurethane finish over concrete masonry block.

* + 1. Epoxy with Urethane Finish: One finish coat over an intermediate coat and a block filler.
       1. Substrate: Concrete masonry units:
       2. Block Filler: PPG Paints. Amerlock 400BF Epoxy Block Filler, AK400B-30/AK400B-B. Applied Dry Film Thickness: 4.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete intermediate coat options not required.

* + - 1. Intermediate Coat: Epoxy:
         1. PPG Paints. Pitt-Guard Rapid Coat DTR Polyamide Epoxy Coating, 95-245/95-249 Series. Applied Dry Film Thickness: 4.0 mils min.
         2. PPG Paints. Amerlock 2 VOC Fast Dry, High Solids Semi-Gloss Epoxy Coating, AK2V-3 Series. Applied Dry Film Thickness: 4.0 mils min.
         3. PPG Paints. Amerlock 600 High Build Semi-Gloss Epoxy Coating, AK600-3 Series. Applied Dry Film Thickness: 5.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete topcoat options not required.

* + - 1. Topcoat: Gloss Level 3 and 4, Aliphatic Polyurethane Enamel:
         1. PPG Paints. Pitthane Ultra LS Low Sheen Urethane Enamel, 95-8901/95-899 Series. Applied Dry Film Thickness: 2.0 mils min.
      2. Topcoat: Gloss Level 5, Aliphatic Polyurethane Enamel:
         1. PPG Paints. Pitthane High Build Semi-Gloss Urethane Enamel, 95-8801/95-859 Series. Applied Dry Film Thickness: 2.0 mils min.
      3. Topcoat: Gloss Level 6 and 7, Aliphatic Polyurethane Enamel:
         1. PPG Paints. Pitthane Ultra Gloss Urethane Enamel, 95-812/95-819 Series. Applied Dry Film Thickness: 2.0 mils min.
      4. Topcoat: Gloss Level 6 and 7, Polyester Acrylic Polyurethane:
         1. PPG Paints. Amershield VOC Low VOC Gloss Polyester Acrylic Polyurethane, AMV-3 Series. Applied Dry Film Thickness: 3.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Keep paragraph below for high-gloss acrylic finish over wood.

* + 1. Acrylic Finish: One finish coat over an intermediate coat and a primer.
       1. Substrate: Exterior wood surfaces:
       2. Primer: PPG Paints. Seal Grip Gripper Interior/Exterior Interior/Exterior 100 Percent Acrylic Latex Primer, 17-921XI Series. Applied Dry Film Thickness: 1.6 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete intermediate coat options not required.

* + - 1. Intermediate Coat:
         1. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Satin DTM Industrial Enamel, 90-1710 Series. Applied Dry Film Thickness: 2.0 mils min.
         2. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Semi-Gloss DTM Industrial Enamel, 90-1610 Series. Applied Dry Film Thickness: 2.0 mils min.
         3. PPG Paints: Speedhide Interior/Exterior High Gloss Acrylic Paint, 6-8534 Series. Applied Dry Film Thickness: 1.2 mils min.
         4. PPG Paints: Pitt-Tech Plus EP Interior/Exterior Acrylic Gloss DTM Industrial Enamel, 90-1510 Series. Applied Dry Film Thickness: 2.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete topcoat options not required.

* + - 1. Topcoat Gloss Level 3:
         1. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Satin DTM Industrial Enamel, 90-1710 Series. Applied Dry Film Thickness: 2.0 mils min.
      2. Topcoat Gloss Level 5:
         1. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Semi-Gloss DTM Industrial Enamel, 90-1610 Series. Applied Dry Film Thickness: 2.0 mils min.
      3. Topcoat Gloss Level 6 and 7:
         1. PPG Paints. Speedhide Interior/Exterior High Gloss Acrylic Paint, 6-8534 Series. Applied Dry Film Thickness: 1.2 mils min.
         2. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Gloss DTM Industrial Enamel, 90-1510 Series. Applied Dry Film Thickness: 2.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Keep paragraph below for high-gloss polyurethane finish over ferrous metal. Delete if not required.

* + 1. Epoxy with Urethane Finish: One finish coat over an intermediate coat and a primer.

\*\* NOTE TO SPECIFIER \*\* Delete substrate option not required.

* + - 1. Substrate:
         1. Ferrous Metal.
         2. Nonferrous Metal.

\*\* NOTE TO SPECIFIER \*\* Delete primer option not required.

* + - 1. Primer:
         1. PPG Paints. Pitt-Guard Rapid Coat DTR Polyamide Epoxy Coating, 95-245/95-249 Series. Applied Dry Film Thickness: 4.0 mils min.
         2. PPG Paints. Amerlock 2 VOC Fast Dry, High Solids Semi-Gloss Epoxy Coating, AK2V-3 Series. Applied Dry Film Thickness: 4.0 mils min.
         3. PPG Paints. Amerlock 600 High Build Semi-Gloss Epoxy Coating, AK600-3 Series. Applied Dry Film Thickness: 5.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete intermediate coat options not required.

* + - 1. Intermediate Coat:Epoxy:
         1. PPG Paints. Pitt-Guard Rapid Coat DTR Polyamide Epoxy Coating, 95-245/95-249 Series. Applied Dry Film Thickness: 4.0 mils min.
         2. PPG Paints. Amerlock 2 VOC Fast Dry, High Solids Semi-Gloss Epoxy Coating, AK2V-3 Series. Applied Dry Film Thickness: 4.0 mils min.
         3. PPG Paints. Amerlock 600 High Build Semi-Gloss Epoxy Coating, AK600-3 Series. Applied Dry Film Thickness: 5.0 mils min.
      2. Intermediate Coat: Aliphatic Polyurethane Enamel:
         1. PPG Paints. Pitthane Ultra LS Low Sheen Urethane Enamel, 95-8901/95-899 Series. Applied Dry Film Thickness: 2.0 mils min.
         2. PPG Paints. Pitthane High Build Semi-Gloss Urethane Enamel, 95-8801/95-859 Series. Applied Dry Film Thickness: 2.0 mils min.
         3. PPG Paints. Pitthane Ultra Gloss Urethane Enamel, 95-812/95-819 Series. Applied Dry Film Thickness: 2.0 mils min.
      3. Intermediate Coat: Polyester Acrylic Polyurethane:
         1. PPG Paints. Amershield VOC Low VOC Gloss Polyester Acrylic Polyurethane, AMV-3 Series. Applied Dry Film Thickness: 3.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete topcoat options not required.

* + - 1. Topcoat: Gloss Level 3 and 4, Aliphatic Polyurethane Enamel:
         1. PPG Paints. Pitthane Ultra LS Low Sheen Urethane Enamel, 95-8901/95-899 Series. Applied Dry Film Thickness: 2.0 mils min.
      2. Topcoat: Gloss Level 5, Aliphatic Polyurethane Enamel:
         1. PPG Paints. Pitthane High Build Semi-Gloss Urethane Enamel, 95-8801/95-859 Series. Applied Dry Film Thickness: 2.0 mils min.
      3. Topcoat: Gloss Level 6 and 7, Aliphatic Polyurethane Enamel:
         1. PPG Paints. Pitthane Ultra Gloss Urethane Enamel, 95-812/95-819 Series. Applied Dry Film Thickness: 2.0 mils min.
      4. Topcoat: Gloss Level 6 and 7, Polyester Acrylic Polyurethane:
         1. PPG Paints. Amershield VOC Low VOC Gloss Polyester Acrylic Polyurethane, AMV-3 Series. Applied Dry Film Thickness: 3.0 mils min.
    1. Fluoropolymer System: One finish coat applied over an epoxy primer.

\*\* NOTE TO SPECIFIER \*\* Delete substrate option not required.

* + - 1. Substrate:
         1. Ferrous Metal.
         2. Nonferrous Metal.
      2. Primer: PPG Paints. Coraflon ADS Epoxy Primer, ADS 573/ADS574. Applied Dry Film Thickness: 3.0 mils min.
      3. Finish: PPG Paints. Coraflon ADS Fluoropolymer. Apply per instructions on the technical data bulletin. Metallic finishes may require an additional clear coat of Coraflon ADS.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. INTERIOR HIGH PERFORMANCE COATING SYSTEMS

\*\* NOTE TO SPECIFIER \*\* Delete paragraphs not required.

* + 1. Epoxy Finish: One finish coat over an intermediate coat and a primer.
       1. Substrate: Concrete and Masonry other than concrete masonry units:

\*\* NOTE TO SPECIFIER \*\* Delete primer options not required.

* + - 1. Primer:
         1. PPG Paints. Pitt-Guard Rapid Coat DTR Polyamide Epoxy Coating, 95-245/95-249 Series. Applied Dry Film Thickness: 4.0 mils min.
         2. PPG Paints. Aquapon WB EP Two-Component Waterborne Epoxy Primer, 98E-46/98E-99 Series. Applied Dry Film Thickness: 2.0 mils min.
         3. PPG Paints. Amerlock 2 VOC Fast Dry, High Solids Semi-Gloss Epoxy Coating, AK2V-3 Series. Applied Dry Film Thickness: 4.0 mils min.
         4. PPG Paints. Amerlock 600 High Build Semi-Gloss Epoxy Coating, AK600-3 Series. Applied Dry Film Thickness: 5.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete intermediate coat options not required.

* + - 1. Intermediate Coat: Epoxy:
         1. PPG Paints. Aquapon High Build Semi-Gloss Polyamide Epoxy Coating, 97-1212/97-139 Series. Applied Dry Film Thickness: 4.0 mils min.
         2. PPG Paints. Aquapon WB EP Two-Component Waterborne Semi-Gloss Epoxy Coating, 98E-1/98E-100 Series. Applied Dry Film Thickness: 2.0 mils min.
         3. PPG Paints. Amerlock 2 VOC Fast Dry, High Solids Semi-Gloss Epoxy Coating, AK2V-3 Series. Applied Dry Film Thickness: 4.0 mils min.
         4. PPG Paints. Amerlock 600 High Build Semi-Gloss Epoxy Coating, AK600-3 Series. Applied Dry Film Thickness: 5.0 mils min.
         5. PPG Paints. High Gloss Polyamide-Epoxy Coating, 95-501/95-506 Series. Applied Dry Film Thickness: 4.0 mils min.
         6. PPG Paints. Aquapon WB EP Two-Component Waterborne Gloss Epoxy Coating, 98E-1/98E-98 Series. Applied Dry Film Thickness: 2.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete topcoat options and paint options not required.

* + - 1. Topcoat Gloss Level 5: Epoxy:
         1. PPG Paints. Aquapon High Build Semi-Gloss Polyamide Epoxy Coating, 97-1212/97-139 Series. Applied Dry Film Thickness: 4.0 mils min.
         2. PPG Paints. Aquapon WB EP Two-Component Waterborne Semi-Gloss Epoxy Coating, 98E-1/98E-100 Series. Applied Dry Film Thickness: 2.0 mils min.
         3. PPG Paints. Amerlock 2 VOC Fast Dry, High Solids Semi-Gloss Epoxy Coating, AK2V-3 Series. Applied Dry Film Thickness: 4.0 mils min.
         4. PPG Paints. Amerlock 600 High Build Semi-Gloss Epoxy Coating, AK600-3 Series. Applied Dry Film Thickness: 5.0 mils min.
      2. Topcoat Gloss Level 6 and 7: Epoxy:
         1. PPG Paints. High Gloss Polyamide-Epoxy Coating, 95-501/95-506 Series. Applied Dry Film Thickness: 4.0 mils min.
         2. PPG Paints. Aquapon WB EP Two-Component Waterborne Gloss Epoxy Coating, 98E-1/98E-98 Series. Applied Dry Film Thickness: 2.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Keep finish below for high gloss finish over interior concrete masonry block.

* + 1. Epoxy Finish over Block Filler: One finish coat over intermediate coat and block filler.
       1. Substrate: Concrete masonry units:
       2. Block Filler: PPG Paints. Amerlock 400BF Epoxy Block Filler, AK400B-30/AK400B-B. Applied Dry Film Thickness: 4.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete intermediate coat options not required.

* + - 1. Intermediate Coat: Epoxy:
         1. PPG Paints. Aquapon High Build Semi-Gloss Polyamide Epoxy Coating, 97-1212/97-139 Series. Applied Dry Film Thickness: 4.0 mils min.
         2. PPG Paints. Aquapon WB EP Two-Component Waterborne Semi-Gloss Epoxy Coating, 98E-1/98E-100 Series. Applied Dry Film Thickness: 2.0 mils min.
         3. PPG Paints. Amerlock 2 VOC Fast Dry, High Solids Semi-Gloss Epoxy Coating, AK2V-3 Series. Applied Dry Film Thickness: 4.0 mils min.
         4. PPG Paints. Amerlock 600 High Build Semi-Gloss Epoxy Coating, AK600-3 Series. Applied Dry Film Thickness: 5.0 mils min.
         5. PPG Paints. High Gloss Polyamide-Epoxy Coating, 95-501/95-506 Series. Applied Dry Film Thickness: 4.0 mils min.
         6. PPG Paints. Aquapon WB EP Two-Component Waterborne Gloss Epoxy Coating, 98E-1/98E-98 Series. Applied Dry Film Thickness: 2.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete topcoat options and paint options not required.

* + - 1. Topcoat Gloss Level 5: Epoxy:
         1. PPG Paints. Aquapon High Build Semi-Gloss Polyamide Epoxy Coating, 97-1212/97-139 Series. Applied Dry Film Thickness: 4.0 mils min.
         2. PPG Paints. Aquapon WB EP Two-Component Waterborne Semi-Gloss Epoxy Coating, 98E-1/98E-100 Series. Applied Dry Film Thickness: 2.0 mils min.
         3. PPG Paints. Amerlock 2 VOC Fast Dry, High Solids Semi-Gloss Epoxy Coating, AK2V-3 Series. Applied Dry Film Thickness: 4.0 mils min.
         4. PPG Paints. Amerlock 600 High Build Semi-Gloss Epoxy Coating, AK600-3 Series. Applied Dry Film Thickness: 5.0 mils min.
      2. Topcoat Gloss Level 6 and 7: Epoxy:
         1. PPG Paints. High Gloss Polyamide-Epoxy Coating, 95-501/95-506 Series. Applied Dry Film Thickness: 4.0 mils min.
         2. PPG Paints. Aquapon WB EP Two-Component Waterborne Gloss Epoxy Coating, 98E-1/98E-98 Series. Applied Dry Film Thickness: 2.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Keep finish below for high gloss finish over interior wood surfaces. Delete if not required.

* + 1. Acrylic Finish: One finish coat over an intermediate coat and a primer.
       1. Substrates:
          1. Wood:
          2. Interior wood surfaces:

\*\* NOTE TO SPECIFIER \*\* Delete primer option not required.

* + - 1. Primer:
         1. PPG Paints. Seal Grip Gripper Interior/Exterior Interior/Exterior 100 Percent Acrylic Latex Primer, 17-921XI Series. Applied Dry Film Thickness: 1.6 mils min.
      2. Acrylic Primer:
         1. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic DTM Primer, 90-1912 Series. Applied Dry Film Thickness: 2.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete intermediate coat options not required.

* + - 1. Intermediate Coat:
         1. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Satin DTM Industrial Enamel, 90-1710 Series. Applied Dry Film Thickness: 2.0 mils min.
         2. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Semi-Gloss DTM Industrial Enamel, 90-1610 Series. Applied Dry Film Thickness: 2.0 mils min.
         3. PPG Paints Speedhide Interior/Exterior High Gloss Acrylic Paint, 6-8534 Series. Applied Dry Film Thickness: 1.2 mils min.
         4. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Gloss DTM Industrial Enamel, 90-1510 Series. Applied Dry Film Thickness: 2.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete topcoat options and paint options not required.

* + - 1. Topcoat Gloss Level 3:
         1. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Satin DTM Industrial Enamel, 90-1710 Series. Applied Dry Film Thickness: 2.0 mils min.
      2. Topcoat Gloss Level 5:
         1. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Semi-Gloss DTM Industrial Enamel, 90-1610 Series. Applied Dry Film Thickness: 2.0 mils min.
      3. Topcoat Gloss Level 6 and 7:
         1. PPG Paints. Speedhide Interior/Exterior High Gloss Acrylic Paint, 6-8534 Series. Applied Dry Film Thickness: 1.2 mils min.
         2. PPG Paints. Pitt-Tech Plus EP Interior/Exterior Acrylic Gloss DTM Industrial Enamel, 90-1510 Series. Applied Dry Film Thickness: 2.0 mils min.
    1. Epoxy Finish: One finish coat over intermediate coat and a primer.

\*\* NOTE TO SPECIFIER \*\* Delete substrate option not required.

* + - 1. Substrate:
         1. Ferrous metal.
         2. Nonferrous metal.

\*\* NOTE TO SPECIFIER \*\* Delete primer options not required.

* + - 1. Primer:
         1. PPG Paints. Pitt-Guard Rapid Coat DTR Polyamide Epoxy Coating, 95-245/95-249 Series. Applied Dry Film Thickness: 4.0 mils min.
         2. PPG Paints. Aquapon WB EP Two-Component Waterborne Epoxy Primer, 98E-46/98E-99 Series. Applied Dry Film Thickness: 2.0 mils min.
         3. PPG Paints. Amerlock 2 VOC Fast Dry, High Solids Semi-Gloss Epoxy Coating, AK2V-3 Series. Applied Dry Film Thickness: 4.0 mils min.
         4. PPG Paints. Amerlock 600 High Build Semi-Gloss Epoxy Coating, AK600-3 Series. Applied Dry Film Thickness: 5.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete intermediate coat options not required.

* + - 1. Intermediate Coat: Epoxy:
         1. PPG Paints. Aquapon High Build Semi-Gloss Polyamide Epoxy Coating, 97-1212/97-139 Series. Applied Dry Film Thickness: 4.0 mils min.
         2. PPG Paints. Aquapon WB EP Two-Component Waterborne Semi-Gloss Epoxy Coating, 98E-1/98E-100 Series. Applied Dry Film Thickness: 2.0 mils min.
         3. PPG Paints. Amerlock 2 VOC Fast Dry, High Solids Semi-Gloss Epoxy Coating, AK2V-3 Series. Applied Dry Film Thickness: 4.0 mils min.
         4. PPG Paints. Amerlock 600 High Build Semi-Gloss Epoxy Coating, AK600-3 Series. Applied Dry Film Thickness: 5.0 mils min.
         5. PPG Paints. High Gloss Polyamide-Epoxy Coating, 95-501/95-506 Series. Applied Dry Film Thickness: 4.0 mils min.
         6. PPG Paints. Aquapon WB EP Two-Component Waterborne Gloss Epoxy Coating, 98E-1/98E-98 Series. Applied Dry Film Thickness: 2.0 mils min.

\*\* NOTE TO SPECIFIER \*\* Delete topcoat options and paint options not required.

* + - 1. Topcoat Gloss Level 5: Epoxy:
         1. PPG Paints. Aquapon High Build Semi-Gloss Polyamide Epoxy Coating, 97-1212/97-139 Series. Applied Dry Film Thickness: 4.0 mils min.
         2. PPG Paints. Aquapon WB EP Two-Component Waterborne Semi-Gloss Epoxy Coating, 98E-1/98E-100 Series. Applied Dry Film Thickness: 2.0 mils min.
         3. PPG Paints. Amerlock 2 VOC Fast Dry, High Solids Semi-Gloss Epoxy Coating, AK2V-3 Series. Applied Dry Film Thickness: 4.0 mils min.
         4. PPG Paints. Amerlock 600 High Build Semi-Gloss Epoxy Coating, AK600-3 Series. Applied Dry Film Thickness: 5.0 mils min.
      2. Topcoat Gloss Level 6 and 7: Epoxy.
         1. PPG Paints. High Gloss Polyamide-Epoxy Coating, 95-501/95-506 Series. Applied Dry Film Thickness: 4.0 mils min.
         2. PPG Paints. Aquapon WB EP Two-Component Waterborne Gloss Epoxy Coating, 98E-1/98E-98 Series. Applied Dry Film Thickness: 2.0 mils min.
    1. Fluoropolymer System: One finish coat applied over an epoxy primer.

\*\* NOTE TO SPECIFIER \*\* Delete substrate option not required.

* + - 1. Substrate:
         1. Ferrous metal.
         2. Nonferrous metal.
      2. Primer: PPG Paints. Coraflon ADS Epoxy Primer, ADS 573/ADS574. Applied Dry Film Thickness: 3.0 mils min.
      3. Finish: PPG Paints. Coraflon ADS Fluoropolymer. Apply per instructions on the technical data bulletin. Metallic finishes may require an additional clear coat of Coraflon ADS.

1. EXECUTION
   1. EXAMINATION
      1. Do not begin installation until substrates have been properly prepared.
      2. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
      3. Coordination of Work: Review other Sections in which primers are provided to ensure compatibility of the total system for various substrates. On request, furnish information on characteristics of finish materials to ensure use of compatible primers.
         1. Notify Architect about anticipated problems when using the materials specified over substrates primed by others.

\*\* NOTE TO SPECIFIER \*\* Coordinate primers specified in other Sections with undercoats and finish coats specified in this Section to ensure compatibility of materials. Some high-performance coatings will lift incompatible primers or have poor adhesion when applied over zinc-based or baked primers. Delete if not required.

* + - 1. If a potential incompatibility of primers applied by others exists, obtain the following from the primer Applicator before proceeding:
         1. Confirmation of primer's suitability for expected service conditions.
         2. Confirmation of primer's ability to be top coated with materials specified.
  1. PREPARATION
     1. General: Remove hardware and hardware accessories, plates, machined surfaces, lighting fixtures, and similar items already installed that are not to be painted. If removal is impractical or impossible because of size or weight of the item, provide surface-applied protection before surface preparation and painting.
        1. After completing painting operations in each space or area, reinstall items removed using workers skilled in the trades involved.
     2. Cleaning: Before applying paint or other surface treatments, clean substrates of substances that could impair bond of the various coatings. Remove oil and grease before cleaning.
        1. Schedule cleaning and painting so dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.
     3. Surface Preparation: Clean and prepare surfaces to be painted according to manufacturer's written instructions for each particular substrate condition and as specified.
        1. Provide barrier coats over incompatible primers or remove and reprime.

\*\* NOTE TO SPECIFIER \*\* Coordination of shop-applied prime coats with high-performance coatings is critical. If compatibility problems exist, it may be necessary to provide barrier coats over primers or to remove primer and reprime substrate. Delete if not required.

* + - 1. Provide barrier coats over incompatible primers or remove primers and reprime substrate.

\*\* NOTE TO SPECIFIER \*\* Delete subparagraph and associated subparagraphs below if cementitious surfaces are not to be coated or revise to suit Project.

* + - 1. Cementitious Substrates: Prepare concrete, brick, concrete masonry block, and cement plaster surfaces to be coated. Remove efflorescence, chalk, dust, dirt, grease, oils, and release agents. Roughen as required to remove glaze. If hardeners or sealers have been used to improve curing, use mechanical methods to prepare surfaces.
         1. Use abrasive blast-cleaning methods if recommended by coating manufacturer.
         2. Determine alkalinity and moisture content of surfaces by performing appropriate tests. If surfaces are sufficiently alkaline to cause the finish paint to blister and burn, correct this condition before application. Do not coat surfaces if moisture content exceeds that permitted in manufacturer's written instructions.

\*\* NOTE TO SPECIFIER \*\* Delete subparagraph and associated subparagraphs below if wood surfaces are not to be coated or revise to suit Project.

* + - 1. Wood Substrates: Clean surfaces of dirt, oil, and other foreign substances with scrapers, mineral spirits, and sandpaper, as required. Smoothly sand surfaces exposed to view and dust off.
         1. Scrape and clean small, dry, seasoned knots, and apply a thin coat of white shellac or other recommended knot sealer, before applying primer.
         2. Immediately on delivery, prime edges, ends, faces, undersides, and backsides of wood to be coated.
         3. After priming, fill holes and imperfections in the finish surfaces with putty or plastic wood filler. Sand smooth when dried.

\*\* NOTE TO SPECIFIER \*\* Delete subparagraph and associated subparagraphs below if ferrous metal surfaces are not to be coated or revise to suit Project.

* + - 1. Ferrous Metal Substrates: Clean ungalvanized ferrous-metal surfaces that have not been shop coated: remove oil, grease, dirt, loose mill scale, and other foreign substances. Use solvent or mechanical cleaning methods that comply with SSPC recommendations.

\*\* NOTE TO SPECIFIER \*\* Delete subparagraph below if blast cleaning is not required. SSPC-SP 10 requires a higher level of preparation than may be justified. Reduce preparation to SSPC-SP 6 if circumstances warrant.

* + - * 1. Blast-clean steel surfaces as recommended by coating manufacturer and according to SSPC-SP 10.

\*\* NOTE TO SPECIFIER \*\* Delete subparagraph below if this treatment is not required.

* + - * 1. Treat bare and sandblasted or pickled clean metal with a metal treatment wash coat before priming.

\*\* NOTE TO SPECIFIER \*\* Delete subparagraph below if touchup painting of shop-applied primers will be done by material erector or Installer.

* + - * 1. Touch up bare areas and shop-applied prime coats that have been damaged. Wire brush, solvent clean, and touch up with same primer as the shop coat.

\*\* NOTE TO SPECIFIER \*\* Delete subparagraph and associated subparagraph below if nonferrous metal surfaces are not to be coated or revise to suit Project.

* + - 1. Nonferrous-Metal Substrates: Clean nonferrous and galvanized surfaces according to manufacturer's written instructions for the type of service, metal substrate, and application required.
         1. Remove pretreatment from galvanized sheet metal fabricated from coil stock by mechanical methods.
    1. Material Preparation: Carefully mix and prepare coating materials according to manufacturer's written instructions.
       1. Maintain containers used in mixing and applying coatings in a clean condition, free of foreign materials and residue.
       2. Stir materials before applying to produce a mixture of uniform density. Stir as required during application. Do not stir surface film into the material. Remove film and, if necessary, strain coating material before using.
       3. Use only the type of thinners approved by manufacturer and only within recommended limits.

\*\* NOTE TO SPECIFIER \*\* If tinting is not required, delete below. Different tints will show through as topcoat erodes.

* + - 1. Tinting: Tint each undercoat a lighter shade to simplify identification of each coat when multiple coats of same material are applied. Tint undercoats to match the color of the finish coat but provide sufficient differences in shade of undercoats to distinguish each separate coat.
  1. APPLICATION

\*\* NOTE TO SPECIFIER \*\* Commercial coatings only. Delete if not required.

* + 1. General: Apply paint according to manufacturer's written instructions. Use applicators and techniques best suited for substrate and type of material being applied.

\*\* NOTE TO SPECIFIER \*\* High performance coatings only. Delete if not required.

* + 1. General: Apply high-performance coatings according to manufacturer's written instructions.
       1. Use applicators and techniques best suited for the material being applied.
       2. Do not apply high-performance coatings over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to forming a durable coating film.
       3. Coating surface treatments, and finishes are indicated in the coating system descriptions.
       4. Provide finish coats compatible with primers used.
       5. The term "exposed surfaces" includes areas visible when permanent or built-in fixtures, convector covers, grilles, covers for finned-tube radiation, and similar components are in place. Extend coatings in these areas, as required, to maintain system integrity and provide desired protection.
    2. Application Procedures: Apply coatings by brush, roller, spray, or other applicators according to manufacturer's written instructions.
       1. The number of coats and film thickness required is the same regardless of application method.
       2. Completed Work: Match approved Samples for color, texture, and coverage. Remove, refinish, or recoat work that does not comply with specified requirements.
  1. FIELD QUALITY CONTROL
     1. Owner reserves the right to invoke the following test procedure at any time and as often as Owner deems necessary during the period when paint is being applied:
        1. Owner will engage a qualified independent testing agency to sample paint material being used. Samples of material delivered to Project will be taken, identified, sealed, and certified in the presence of Contractor.
        2. Owner may direct Contractor to stop painting if test results show material being used does not comply with specified requirements. Contractor shall remove noncomplying paint from Project site, pay for testing, and repaint surfaces previously coated with the noncomplying paint. If necessary, Contractor may be required to remove noncomplying paint from previously painted surfaces if, on repainting with specified paint, the two coatings are incompatible.
  2. CLEANING
     1. After completing painting, clean glass and paint spattered surfaces. Remove spattered paint by washing and scraping without scratching or damaging adjacent finished surfaces.
  3. PROTECTION
     1. Protect work of other trades, whether being painted or not, against damage from painting. Correct damage by cleaning, repairing, or replacing, and repainting, as approved by Architect.
     2. Provide "Wet Paint" signs to protect newly painted finishes. After completing painting operations, remove temporary protective wrappings provided by others to protect their work.
     3. After work of other trades is complete, touch up and restore damaged or defaced painted surfaces.

END OF SECTION