



Prepared for use by Hallman Lindsay Quality Paints, Inc.
For questions or assistance, please contact
marketing@hallmanlindsay.com

SECTION 09 91 00 – PAINTING
Custom New Home Construction

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes surface preparation and the application of paint systems on interior and exterior substrates.
- B. Related Requirements:
 - 1. Section 05 12 00 "Structural Steel Framing" for shop priming of metal substrates.
 - 2. Section 05 50 00 "Metal Fabrications" for shop priming metal fabrications.
 - 3. Section 05 52 13 "Pipe and Tube Railings" for shop priming pipe and tube railings.
 - 4. Section 09 94 00 "Decorative Finishing" for decorative, faux and multi-colored finishes.

1.3 DEFINITIONS

A. Gloss Level:

1. Gloss level 1 - Flat: 0-4 units at 60 degrees, according to ASTM 523.
2. Gloss level 2 - Matte: 1-4 units at 60 degrees, according to ASTM 523.
3. Gloss level 3 - Lo-Sheen: 4-6 units at 60 degrees, according to ASTM 523.
4. Gloss level 4 - Eggshell: 6-16 units at 60 degrees, according to ASTM 523.
5. Gloss level 5 - Satin: 18-25 units at 60 degrees, according to ASTM 523.
6. Gloss level 6 - Semi- Gloss: 35-50 units at 60 degrees, according to ASTM 523.
7. Gloss level 7 - Gloss: 50+ units at degrees, according to ASTM 523.

B. Quality Levels: Terms used to describe in general product performance.

1. Designer Quality: These Ultra-Premium products are formulated for maximum protection and easy application. Typically provide the longest wear with superior washability and stain resistance.
2. Premium: Premium products provide significant improvements in performance and application over professional grade products. Longer lifecycle reduces the frequency of ongoing maintenance.
3. Professional: Professional quality products are formulated to meet the needs and requirements of contractor application. Durable finish with good maintenance qualities and low odor/Zero-VOC.
4. High Performance: High performing products formulated for high wear areas subject requiring added durability and stain resistance over traditional architectural coatings.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product. Include preparation requirements and application instructions.

1. Include Printout of current "Product Data Sheet" for each product specified, with the product specifications, usage and precautions.
2. Indicate VOC content.

B. Sustainable Design Submittals:

1. Product Data: For paints and coatings, indicating VOC content.
2. Laboratory Test Reports: For paints and coatings, indicating compliance with requirements for low-emitting materials.

C. Samples for Verification: For each type of paint system and in each color and gloss of topcoat.

1. Submit Samples on rigid backing, 8 inches (200 mm) square.
2. Apply coats on Samples in steps to show each coat required for system.
3. Label each coat of each Sample.
4. Label each Sample for location and application area.

D. Product List: Cross-reference to paint system and locations of application areas. Use same designations indicated on Drawings and in schedules. Include color designations.

1.5 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Paint: 5 percent, but not less than 1 gal. (3.8 L) of each material and color applied.

1.6 QUALITY ASSURANCE

- A. Mockups: Apply mockups of each paint system indicated and each color and finish selected to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
 - 1. Architect will select one surface to represent surfaces and conditions for application of each paint system.
 - a. Vertical and Horizontal Surfaces: Provide samples of at least 100 sq. ft. (9 sq. m).
 - b. Other Items: Architect will designate items or areas required.
 - 2. Final approval of color selections will be based on mockups.
 - a. If color selections are not approved, apply additional mockups of additional colors selected by Architect at no added cost to Owner.
 - 3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
 - 4. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 50 deg F (10 deg C).
 - 1. Refer to product data sheets for specific product information.
 - 2. Maintain containers in clean condition, free of foreign materials and residue.
 - 3. Remove rags and waste from storage areas daily.

1.8 FIELD CONDITIONS

- A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F (10 and 35 deg C).
- B. Do not apply paints in snow, rain, fog, or mist; when relative humidity exceeds 85 percent; at temperatures less than 5 deg F (3 deg C) above the dew point; or to damp or wet surfaces.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Products: Subject to compliance with requirements, provide product listed in the Painting Schedule for the paint category indicated.
- B. Acceptable Manufacturer: Hallman Lindsay Quality Paints, Inc.; 1717 N Bristol Street, Sun Prairie WI 53590-1287; Telephone: (608) 834-8844; Website: <http://www.hallmanlindsay.com>.
- C. Substitutions: Not permitted.
- D. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 PAINT, GENERAL

- A. Material Compatibility:
 - 1. Materials for use within each paint system shall be compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
 - 2. For each coat in a paint system, products shall be recommended in writing by topcoat manufacturers for use in paint system and on substrate indicated.
- B. VOC Content: For field applications that are inside the weatherproofing system, verify paints and coatings comply with VOC content limits of authorities having jurisdiction and the following VOC content limits:
 - 1. Flat Paints and Coatings: 50 g/L.
 - 2. Nonflat Paints and Coatings: 150 g/L.
 - 3. Dry-Fog Coatings: 400 g/L.
 - 4. Primers, Sealers, and Undercoaters: 200 g/L.
 - 5. Anticorrosive and Antirust Paints Applied to Ferrous Metals: 250 g/L.
 - 6. Zinc-Rich Industrial Maintenance Primers: 340 g/L.
 - 7. Pretreatment Wash Primers: 420 g/L.
 - 8. Shellacs, Clear: 730 g/L.
 - 9. Shellacs, Pigmented: 550 g/L.
- C. Colors: [As selected by Architect from manufacturer's full range] [Match Architect's samples] [As indicated in a color schedule] <Insert requirements>.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.

- B. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:
 - 1. Concrete: 12 percent.
 - 2. Fiber-Cement Board: 12 percent.
 - 3. Masonry (Clay and CMUs): 12 percent.
 - 4. Wood: 15 percent.
 - 5. Gypsum Board: 12 percent.
 - 6. Plaster: 12 percent.
- C. Verify suitability of substrates, including surface conditions and compatibility, with existing finishes and primers.
- D. Proceed with coating application only after unsatisfactory conditions have been corrected.
 - 1. Application of coating indicates acceptance of surfaces and conditions.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates and paint systems indicated.
- B. Verify adhesion of primers and finishes prior to painting.
- C. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
 - 1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection if any.
- D. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.
 - 1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems indicated.
- E. Gypsum Board Substrates: Verify that finishing compound is sanded smooth. Remove sanding dust.
- F. Exterior Gypsum Board Substrates: Verify that finishing compound is sanded smooth.
- G. Plaster Substrates: Verify that plaster is fully cured.
- H. Spray-Textured Ceiling Substrates: Verify that surfaces are dry.
- I. Portland Cement Plaster Substrates: Verify that plaster is fully cured.
- J. Concrete Substrates: Remove release agents, curing compounds, efflorescence, and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces to be painted exceeds that permitted in manufacturer's written instructions.

- K. Masonry Substrates: Remove efflorescence and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces or mortar joints exceeds that permitted in manufacturer's written instructions.
- L. Steel Substrates: Remove rust, loose mill scale, and shop primer, if any. Clean using methods recommended in writing by paint manufacturer[.] [but not less than the following:]
 - 1. SSPC-SP 2.
 - 2. SSPC-SP 3.
 - 3. SSPC-SP 7/NACE No. 4.
 - 4. SSPC-SP 11.
- M. Shop-Primed Steel Substrates: Clean field welds, bolted connections, and areas where shop paint is abraded. Paint exposed areas with the same material as used for shop priming to comply with SSPC-PA 1 for touching up shop-primed surfaces.
- N. Galvanized-Metal Substrates: Remove grease and oil residue from galvanized sheet metal by mechanical methods to produce clean, lightly etched surfaces that promote adhesion of subsequently applied paints.
- O. Aluminum Substrates: Remove loose surface oxidation.
- P. Wood Substrates:
 - 1. Scrape and clean knots, and apply coat of knot sealer before applying primer.
 - 2. Sand surfaces that will be exposed to view, and dust off.
 - 3. Prime edges, ends, faces, undersides, and backsides of wood.
 - 4. After priming, fill holes and imperfections in the finish surfaces with putty or plastic wood filler. Sand smooth when dried.
- Q. Cotton or Canvas Insulation Covering Substrates: Remove dust, dirt, and other foreign material that might impair bond of paints to substrates.
- R. Plastic Trim Fabrication Substrates: Remove dust, dirt, and other foreign material that might impair bond of paints to substrates.

3.3 APPLICATION

- A. Apply paints according to manufacturer's written instructions and to recommendations in "MPI Manual."
 - 1. Use applicators and techniques suited for paint and substrate indicated.
 - 2. Paint surfaces behind movable equipment and furniture same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed equipment or furniture with prime coat only.
 - 3. Paint front and backsides of access panels, removable or hinged covers, and similar hinged items to match exposed surfaces.
 - 4. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.

5. Primers specified in painting schedules may be omitted on items that are factory primed or factory finished if acceptable to topcoat manufacturers.
 6. Paint both sides and edges of exterior doors and entire exposed surface of exterior door frames.
 7. Paint entire exposed surface of window frames and sashes.
- B. Tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of same material are to be applied. Tint undercoats to match color of topcoat, but provide sufficient difference in shade of undercoats to distinguish each separate coat.
- C. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.
- D. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.
- E. Painting Fire Suppression, Plumbing, HVAC, Electrical, Communication, and Electronic Safety and Security Work:
1. Paint the following work where exposed in equipment rooms:
 - a. Equipment, including panelboards[**and switch gear**].
 - b. Uninsulated metal piping.
 - c. Uninsulated plastic piping.
 - d. Pipe hangers and supports.
 - e. Metal conduit.
 - f. Plastic conduit.
 - g. Tanks that do not have factory-applied final finishes.
 - h. Duct, equipment, and pipe insulation having cotton or canvas insulation covering or other paintable jacket material.
 - i. **<Insert mechanical items to be painted>**.
 2. Paint the following work where exposed in occupied spaces:
 - a. Equipment, including panelboards.
 - b. Uninsulated metal piping.
 - c. Uninsulated plastic piping.
 - d. Pipe hangers and supports.
 - e. Metal conduit.
 - f. Plastic conduit.
 - g. Duct, equipment, and pipe insulation having cotton or canvas insulation covering or other paintable jacket material.
 - h. Other items as directed by Architect.
 - i. **<Insert mechanical items to be painted>**.
 3. Paint portions of internal surfaces of metal ducts, without liner, behind air inlets and outlets that are visible from occupied spaces.

3.4 FIELD QUALITY CONTROL

- A. Dry Film Thickness Testing: Owner may engage the services of a qualified testing and inspecting agency to inspect and test paint for dry film thickness.
 - 1. Contractor shall touch up and restore painted surfaces damaged by testing.
 - 2. If test results show that dry film thickness of applied paint does not comply with paint manufacturer's written recommendations, Contractor shall pay for testing and apply additional coats as needed to provide dry film thickness that complies with paint manufacturer's written recommendations.

3.5 CLEANING AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
- B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
- C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.
- D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.6 EXTERIOR PAINTING SCHEDULE

- A. Concrete Finishing:
 - 1. Vertical Porous Surfaces - Brick, Block, Split-Face, and Other Similar Vertical Masonry Surfaces.
 - a. Flat Finish – Designer Finish:
 - 1) 1st Coat: GRIPCRETE MASONRY SURFACER, 179.
 - a) Vehicle Type: Acrylic.
 - b) VOC Content: 50 g/L.
 - c) DFT: 7.7-10 mils.
 - 2) 2nd Coat: GENERATION 100% Acrylic Exterior Flat, 146.
 - a) VOC Content: 30 g/L.
 - b) DFT: 2.5 mils.
 - 3) 3rd Coat: GENERATION 100% Acrylic Exterior Flat, 146.
 - a) VOC Content: 30 g/L.
 - b) DFT: 2.5 mils.
 - b. Lo-Sheen Finish – Professional Finish
 - 1) 1st Coat: GRIPCRETE MASONRY SURFACER, 179.
 - a) Vehicle Type: Acrylic.
 - b) VOC Content: 50 g/L.
 - c) DFT: 7.7-10 mils.
 - 2) 2nd Coat: GENERATION 100% Acrylic Exterior Lo-Sheen, 144.
 - a) VOC Content: 76 g/L.

- b) DFT: 2.5 mils.
 - 3) 3rd Coat: GENERATION 100% Acrylic Exterior Lo-Sheen, 144.
 - a) VOC Content: 76 g/L.
 - b) DFT: 2.5 mils.
- 2. Vertical Smooth Surfaces - Tilt-Up, Precast, Poured, Stucco, and Other Similar Vertical Masonry Surfaces.
 - a. Flat Finish – Professional Finish
 - 1) 1st Coat: GRIPCRETE A/R MASONRY & PLASTER PRIMER, 166.
 - a) Vehicle Type: Acrylic.
 - b) VOC Content: 51 g/L.
 - c) DFT: 3.2 mils.
 - 2) 2nd Coat: GENERATION 100% Acrylic Exterior Flat, 146.
 - a) VOC Content: 30 g/L.
 - b) DFT: 2.5 mils.
 - 3) 3rd Coat: GENERATION 100% Acrylic Exterior Flat, 146.
 - a) VOC Content: 30 g/L.
 - b) DFT: 2.5 mils.
 - b. Lo-Sheen Finish – Professional Finish
 - 1) 1st Coat: GRIPCRETE A/R MASONRY & PLASTER PRIMER, 166.
 - a) Vehicle Type: Acrylic.
 - b) VOC Content: 51 g/L.
 - c) DFT: 3.2 mils.
 - 2) 2nd Coat: GENERATION 100% Acrylic Exterior Lo-Sheen, 144.
 - a) VOC Content: 76 g/L.
 - b) DFT: 2.5 mils.
 - 3) 3rd Coat: GENERATION 100% Acrylic Exterior Lo-Sheen, 144.
 - a) VOC Content: 76 g/L.
 - b) DFT: 2.5 mils.
- 3. Horizontal Surfaces - Patios, Walkways, Stairs, and Other Similar Smooth, Unsealed Horizontal Non- Vehicular Surfaces.
 - a. Matte Finish (Opaque)
 - 1) Vehicle Type: 100 % Acrylic.
 - 2) VOC Content: 76 g/L.
 - 3) 1st Coat: FLOORGUARD Porch and Floor Enamel, 309.
 - a) DFT: 1.2 mils.
 - 4) 2nd Coat: FLOORGUARD Porch and Floor Enamel, 309.
 - a) DFT: 1.2 mils.

B. Wood Finishing:

- 1. Paint Systems - Above-Grade Surfaces Vertical Surfaces.
 - a. Flat Finish – Professional Finish
 - 1) 1st Coat: PRIMEGUARD Premium Acrylic Exterior Wood Primer, 112.
 - a) Vehicle Type: Alkyd-Modified Acrylic.
 - b) VOC Content: 25 g/L.
 - c) DFT: 1.3 mils.
 - 2) 2nd Coat: GENERATION 100% Acrylic Exterior Flat, 146.
 - a) VOC Content: 30 g/L.
 - b) DFT: 2.5 mils.
 - 3) 3rd Coat: GENERATION 100% Acrylic Exterior Flat, 146.
 - a) VOC Content: 30 g/L.
 - b) DFT: 2.5 mils.

- b. Lo-Sheen Finish – Professional Finish
 - 1) 1st Coat: PRIMEGUARD Premium Acrylic Exterior Wood Primer, 112.
 - a) Vehicle Type: Alkyd-Modified Acrylic.
 - b) VOC Content: 25 g/L.
 - c) DFT: 1.3 mils.
 - 2) 2nd Coat: GENERATION 100% Acrylic Exterior Lo-Sheen, 144.
 - a) VOC Content: 76 g/L.
 - b) DFT: 2.5 mils.
 - 3) 3rd Coat: GENERATION 100% Acrylic Exterior Lo-Sheen, 144.
 - a) VOC Content: 76 g/L.
 - b) DFT: 2.5 mils.
- 2. Stain Systems - Vertical and Horizontal Siding, Decking, Pergolas, and Other Above-Grade Wooded Surfaces.
 - a. Flat - Solid/Opaque Stain
 - 1) Vehicle Type: Alkyd Latex.
 - 2) VOC Content: 17 g/L.
 - 3) 1st Coat: TIMBERSHADES Opaque/Solid Hybrid Resin Stain, 188.
 - a) Apply at 200 to 400 SF/GAL.
 - 4) 2nd Coat: TIMBERSHADES Opaque/Solid Hybrid Resin Stain, 188.
 - a) Apply at 200 to 400 SF/GAL.
 - b. Eggshell - Semi-Transparent/Semi-Opaque Stain
 - 1) Vehicle Type: Alkyd Latex.
 - 2) VOC Content: 22 g/L.
 - 3) 1st Coat: TIMBERSHADES Semi-Transparent Hybrid Resin Stain, 198.
 - a) Apply at 200 to 400 SF/GAL.
 - 4) 2nd Coat: Optional for semi-opaque finish: TIMBERSHADES Semi-Transparent Hybrid Resin Stain, 198.
 - a) Apply at 200 to 400 SF/GAL.
 - c. Flat - Wood Toner – Transparent Stain
 - 1) Vehicle Type: Linseed Oil / Alkyd.
 - 2) VOC Content: 522 g/L.
 - 3) 1st Coat: TIMBERSHADES Natural Wood Toner, 197.
- C. Metal Finishing: Ferrous Metals, Primed: Latex Finish.
 - 1. Satin Finish - Professional
 - 1) 1st Coat: METALGUARD DTM Acrylic Primer/Finish, 338.
 - a) Vehicle Type: Acrylic.
 - b) VOC Content: 165 g/L.
 - c) DFT: 1.7 to 1.9 mils.
 - 2) 2nd Coat: DURATECH 100% Acrylic Satin Enamel, 318.
 - a) VOC Content: 60 g/L.
 - b) DFT: 1.4 mils.
 - 3) 3rd Coat: DURATECH 100% Acrylic Satin Enamel, 318.
 - a) VOC Content: 60 g/L.
 - b) DFT: 1.4 mils.
- D. Metal Finishing: Non-Ferrous Metals, Primed: Latex Finish.
 - 1. Satin Finish - Professional
 - 1) 1st Coat: METALGUARD DTM Acrylic Primer/Finish, 338.
 - a) Vehicle Type: Acrylic.
 - b) VOC Content: 165 g/L.

- c) DFT: 1.7 to 1.9 mils.
- 2) 2nd Coat: DURATECH 100% Acrylic Satin Enamel, 318.
 - a) VOC Content: 60 g/L.
 - b) DFT: 1.4 mils.
- 3) 3rd Coat: DURATECH 100% Acrylic Satin Enamel, 318.
 - a) VOC Content: 60 g/L.
 - b) DFT: 1.4 mils.

3.7 INTERIOR PAINTING SCHEDULE

A. Gypsum Board - Walls and Ceilings Surfaces. Traditional Finishes.

1. Matte Finish – Designer Finishes.
 - 1) 1st Coat: BUILDERS LEGACY Level 5 Surfacer, 371.
 - a) Vehicle Type: Ethylene-Vinyl Acetate.
 - b) VOC Content: 0 g/L.
 - c) DFT: 6.0-8.0 mils.
 - 2) Texture Coat: BUILDERS LEGACY TEXTURE.
 - 3) 2nd Coat: PURE I.A.Q. Zero-VOC Interior Matte, 255.
 - a) Vehicle Type: Vinyl Copolymer.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.
 - 4) 3rd Coat: PURE I.A.Q. Zero-VOC Interior Matte, 255.
 - a) Vehicle Type: Vinyl Copolymer.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.
2. Flat Finish – Premium Finishes.
 - 1) 1st Coat: BUILDERS LEGACY Level 5 Surfacer, 371.
 - a) Vehicle Type: Ethylene-Vinyl Acetate.
 - b) VOC Content: 0 g/L.
 - c) DFT: 6.0-8.0 mils.
 - 2) Texture Coat: BUILDERS LEGACY TEXTURE.
 - 3) 2nd Coat: EARTHSCAPES Zero-VOC Interior Flat, 261.
 - a) Vehicle Type: Ethylene-Vinyl Acetate.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.2 mils.
 - 4) 3rd Coat: EARTHSCAPES Zero-VOC Interior Flat, 261.
 - a) Vehicle Type: Ethylene-Vinyl Acetate.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.2 mils.
3. Lo-Sheen Finish – Designer Finishes
 - 1) 1st Coat: BUILDERS LEGACY Level 5 Surfacer, 371.
 - a) Vehicle Type: Ethylene-Vinyl Acetate.
 - b) VOC Content: 0 g/L.
 - c) DFT: 6.0-8.0 mils.
 - 2) Texture Coat: BUILDERS LEGACY TEXTURE.
 - 3) 2nd Coat: PURE I.A.Q. Zero-VOC Interior Lo-Sheen, 265.
 - a) Vehicle Type: Vinyl Copolymer.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.
 - 4) 3rd Coat: PURE I.A.Q. Zero-VOC Interior Lo-Sheen, 265.

- a) Vehicle Type: Vinyl Copolymer.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.
4. Lo-Sheen Finish – Premium Finishes
- 1) 1st Coat: BUILDERS LEGACY Level 5 Surfacer, 371.
 - a) Vehicle Type: Ethylene-Vinyl Acetate.
 - b) VOC Content: 0 g/L.
 - c) DFT: 6.0-8.0 mils.
 - 2) Texture Coat: BUILDERS LEGACY TEXTURE.
 - 3) 2nd Coat: EARTHSCAPES Zero-VOC Interior Lo-Sheen, 272.
 - a) Vehicle Type: Ethylene-Vinyl Acetate.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.
 - 4) 3rd Coat: EARTHSCAPES Zero-VOC Interior Lo-Sheen, 272.
 - a) Vehicle Type: Ethylene-Vinyl Acetate.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.
5. Eggshell Finish – Designer Finishes
- 1) 1st Coat: BUILDERS LEGACY Level 5 Surfacer, 371.
 - a) Vehicle Type: Ethylene-Vinyl Acetate.
 - b) VOC Content: 0 g/L.
 - c) DFT: 6.0-8.0 mils mils.
 - 2) Texture Coat: BUILDERS LEGACY TEXTURE.
 - 3) 2nd Coat: PURE I.A.Q. Zero-VOC Interior Eggshell, 275.
 - a) Vehicle Type: Vinyl Copolymer.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.
 - 4) 3rd Coat: PURE I.A.Q. Zero-VOC Interior Eggshell, 275.
 - a) Vehicle Type: Vinyl Copolymer.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.
6. Eggshell Finish – Premium Finishes
- 1) 1st Coat: BUILDERS LEGACY Level 5 Surfacer, 371.
 - a) Vehicle Type: Ethylene-Vinyl Acetate.
 - b) VOC Content: 0 g/L.
 - c) DFT: 6.0-8.0 mils.
 - 2) Texture Coat: BUILDERS LEGACY TEXTURE.
 - 3) 2nd Coat: EARTHSCAPES Zero-VOC Interior Eggshell, 274.
 - a) Vehicle Type: Ethylene-Vinyl Acetate.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.
 - 4) 3rd Coat: EARTHSCAPES Zero-VOC Interior Eggshell, 274.
 - a) Vehicle Type: Ethylene-Vinyl Acetate.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.

B. Plaster Walls and Ceilings.

- 1. Matte Finish – Designer Finish
 - 1) 1st Coat: GRIPCRETE A/R MASONRY & PLASTER PRIMER, 166.
 - a) Vehicle Type: Acrylic.
 - b) VOC Content: 51 g/L.

- c) DFT: 3.2 mils.
 - 2) Texture Coat: BUILDERS LEGACY TEXTURE.
 - 3) 2nd Coat: PURE I.A.Q. Zero-VOC Interior Matte, 255.
 - a) Vehicle Type: Vinyl Copolymer.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.
 - 4) 3rd Coat: PURE I.A.Q. Zero-VOC Interior Matte, 255.
 - a) Vehicle Type: Vinyl Copolymer.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.
- 2. Flat Finish – Premium Finish
 - 1) 1st Coat: GRIPCRETE A/R MASONRY & PLASTER PRIMER, 166.
 - a) Vehicle Type: Acrylic.
 - b) VOC Content: 51 g/L.
 - c) DFT: 3.2 mils.
 - 2) Texture Coat: BUILDERS LEGACY TEXTURE.
 - 3) 2nd Coat: EARTHSCAPES Zero-VOC Interior Flat, 261.
 - a) Vehicle Type: Ethylene-Vinyl Acetate.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.
 - 4) 3rd Coat: EARTHSCAPES Zero-VOC Interior Flat, 261.
 - a) Vehicle Type: Ethylene-Vinyl Acetate.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.
- 3. Lo-Sheen Finish – Designer Finish
 - 1) 1st Coat: GRIPCRETE MASONRY & PLASTER PRIMER, 166.
 - a) Vehicle Type: Acrylic.
 - b) VOC Content: 51 g/L.
 - c) DFT: 3.2 mils.
 - 2) 2nd Coat: PURE I.A.Q. Zero-VOC Interior Lo-Sheen, 265.
 - a) Vehicle Type: Vinyl Copolymer.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.
 - 3) 3rd Coat: PURE I.A.Q. Zero-VOC Interior Lo-Sheen, 265.
 - a) Vehicle Type: Vinyl Copolymer.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.
- 4. Lo-Sheen Finish – Premium Finish
 - 1) 1st Coat: GRIPCRETE MASONRY & PLASTER PRIMER, 166.
 - a) Vehicle Type: Acrylic.
 - b) VOC Content: 51 g/L.
 - c) DFT: 3.2 mils.
 - 2) 2nd Coat: EARTHSCAPES Zero-VOC Interior Lo-Sheen, 272.
 - a) Vehicle Type: Ethylene-Vinyl Acetate.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.
 - 3) 3rd Coat: EARTHSCAPES Zero-VOC Interior Lo-Sheen, 272.
 - a) Vehicle Type: Ethylene-Vinyl Acetate.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.
- 5. Eggshell Finish – Designer Finish

- 1) 1st Coat: GRIPCRETE MASONRY & PLASTER PRIMER, 166.
 - a) Vehicle Type: Acrylic.
 - b) VOC Content: 51 g/L.
 - c) DFT: 3.2 mils.
 - 2) 2nd Coat: PURE I.A.Q. Zero-VOC Interior Eggshell, 275.
 - a) Vehicle Type: Vinyl Copolymer.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.
 - 3) 3rd Coat: PURE I.A.Q. Zero-VOC Interior Eggshell, 275.
 - a) Vehicle Type: Vinyl Copolymer.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.
6. Eggshell Finish – Premium Finish
- 1) 1st Coat: GRIPCRETE MASONRY & PLASTER PRIMER, 166.
 - a) Vehicle Type: Acrylic.
 - b) VOC Content: 51 g/L.
 - c) DFT: 3.2 mils.
 - 2) 2nd Coat: EARTHSCAPES Zero-VOC Interior Eggshell, 274.
 - a) Vehicle Type: Ethylene-Vinyl Acetate.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.
 - 3) 3rd Coat: EARTHSCAPES Zero-VOC Interior Eggshell, 274.
 - a) Vehicle Type: Ethylene-Vinyl Acetate.
 - b) VOC Content: 0.0 g/L.
 - c) DFT: 1.6 mils.

C. Wood Doors, Frames Paneling, Wainscoting, and Similar Vertical Wooden Surfaces.

1. Painted Finish – Waterborne.
 - a. Satin Painted Finish – Waterborne Alkyd-Acrylic Enamel
 - 1) 1st Coat: AQUAKOTE WB ENAMEL UNDERCOAT, 231.
 - a) Vehicle Type: Acrylic/ Ethylene-Vinyl Acetate.
 - b) VOC Content: 30 g/L.
 - c) DFT: 1.4 mils.
 - 2) 2nd Coat: AQUA ALKYD Designer WB Satin Enamel, 292.
 - a) Vehicle Type: Alkyd Latex.
 - b) VOC Content: 0.81 g/L.
 - c) DFT: 2.1 mils.
 - 3) 3rd Coat: AQUA ALKYD Designer WB Satin Enamel, 292.
 - a) Vehicle Type: Alkyd Latex.
 - b) VOC Content: 0.81 g/L.
 - c) DFT: 2.1 mils.
 - b. Semi-Gloss Painted Finish – Waterborne Alkyd-Acrylic Enamel
 - 1) 1st Coat: AQUAKOTE WB ENAMEL UNDERCOAT, 231.
 - a) Vehicle Type: Acrylic/ Ethylene-Vinyl Acetate.
 - b) VOC Content: 30 g/L.
 - c) DFT: 1.4 mils.
 - 2) 2nd Coat: AQUA ALKYD Designer WB Semi-Gloss Enamel, 293.
 - a) Vehicle Type: Alkyd Latex Hybrid.
 - b) VOC Content: 0.85 g/L.
 - c) DFT: 2.1 mils.
 - 3) 3rd Coat: AQUA ALKYD Designer WB Semi-Gloss Enamel, 293.

- a) Vehicle Type: Alkyd Latex Hybrid.
 - b) VOC Content: 0.85 g/L.
 - c) DFT: 2.1 mils.
 - 2. Clear Wood Finish - Waterborne.
 - a. Satin Clear Wood Finish – Waterborne System
 - 1) 1st Coat: COLORTONE WATERBORNE WIPING STAIN, 345.
 - 2) 2nd Coat: CLEARGUARD WB URETHANE SATIN, V364.
 - a) Vehicle Type: Acrylic Urethane.
 - b) VOC Content: 254 g/L.
 - c) DFT: 1.1 to 1.2 mils.
 - 3) 3rd Coat: CLEARGUARD WB URETHANE SATIN, V364.
 - a) Vehicle Type: Acrylic Urethane.
 - b) VOC Content: 254 g/L.
 - c) DFT: 1.1 to 1.2 mils.
- D. Wood Flooring, Stairs, Risers, and Similar Foot-Traffic Surfaces.
 - 1. Painted Finish – Waterborne.
 - a. Matte Finish
 - 1) 1st Coat: FLOORGUARD Porch and Floor Enamel, 309.
 - a) Vehicle Type: 100 % Acrylic.
 - b) VOC Content: 76 g/L.
 - c) DFT: 1.2 mils.
 - 2) 2nd Coat: FLOORGUARD Porch and Floor Enamel, 309.
 - a) Vehicle Type: 100 % Acrylic.
 - b) VOC Content: 76 g/L.
 - c) DFT: 1.2 mils.
 - 2. Clear Wood Finish – Waterborne.
 - a. Satin Clear Wood Finish – Waterborne System
 - 1) 1st Coat: COLORTONE ALKYD WIPING STAIN, 345.
 - 2) 2nd Coat: CLEARGUARD ULTIMA FLOOR URETHANE SATIN, V365.
 - a) Vehicle Type: Oil Modified Urethane.
 - b) VOC Content: 178 g/L.
 - c) DFT: 2.4 mils.
 - 3) 3rd Coat: CLEARGUARD ULTIMA FLOOR URETHANE SATIN, V365.
 - a) Vehicle Type: Oil Modified Urethane.
 - b) VOC Content: 178 g/L.
 - c) FT: 2.4 mils.
 - E. Metal Doors, Frames, and Similar Vertical Metal Surfaces.
 - 1. Ferrous Metal – Waterborne System.
 - a. Satin – Alkyd-Acrylic Enamel
 - 1) 1st Coat: PRO SERIES METALGUARD DTM Acrylic, 338.
 - a) Vehicle Type: Acrylic.
 - b) VOC Content: 165 g/L.
 - c) DFT: 1.7 to 1.9 mils.
 - 2) 2nd Coat: AQUA ALKYD Designer WB Satin Enamel, 292.
 - a) Vehicle Type: Alkyd Latex.
 - b) VOC Content: 0.81 g/L.
 - c) DFT: 2.1 mils.
 - 3) 3rd Coat: AQUA ALKYD Designer WB Satin Enamel, 292.
 - a) Vehicle Type: Alkyd Latex.

- b) VOC Content: 0.81 g/L.
 - c) DFT: 2.1 mils.
 - b. Semi-Gloss – Alkyd-Acrylic Enamel
 - 1) 1st Coat: PRO SERIES METALGUARD DTM Acrylic, 338.
 - a) Vehicle Type: Acrylic.
 - b) VOC Content: 165 g/L.
 - c) DFT: 1.7 to 1.9 mils.
 - 2) 2nd Coat: AQUA ALKYD Designer WB Semi-Gloss Enamel, 293.
 - a) Vehicle Type: Alkyd Latex Hybrid.
 - b) VOC Content: 0.85 g/L.
 - c) DFT: 2.1 mils.
 - 3) 3rd Coat: AQUA ALKYD Designer WB Semi-Gloss Enamel, 293.
 - a) Vehicle Type: Alkyd Latex Hybrid.
 - b) VOC Content: 0.85 g/L.
 - c) DFT: 2.1 mils.
- 2. Non-Ferrous Metal – Waterborne System.
 - a. Satin – Alkyd-Acrylic Enamel
 - 1) 1st Coat: PRO SERIES METALGUARD DTM Acrylic, 338.
 - a) Vehicle Type: Acrylic.
 - b) VOC Content: 165 g/L.
 - c) DFT: 1.7 to 1.9 mils.
 - 2) 2nd Coat: AQUA ALKYD Designer WB Satin Enamel, 292.
 - a) Vehicle Type: Alkyd Latex.
 - b) VOC Content: 0.81 g/L.
 - c) DFT: 2.1 mils.
 - 3) 3rd Coat: AQUA ALKYD Designer WB Satin Enamel, 292.
 - a) Vehicle Type: Alkyd Latex.
 - b) VOC Content: 0.81 g/L.
 - c) DFT: 2.1 mils.
 - b. Semi-Gloss – Alkyd-Acrylic Enamel
 - 1) 1st Coat: PRO SERIES METALGUARD DTM Acrylic, 338.
 - a) Vehicle Type: Acrylic.
 - b) VOC Content: 165 g/L.
 - c) DFT: 1.7 to 1.9 mils.
 - 2) 2nd Coat: AQUA ALKYD Designer WB Semi-Gloss Enamel, 293.
 - a) Vehicle Type: Alkyd Latex Hybrid.
 - b) VOC Content: 0.85 g/L.
 - c) DFT: 2.1 mils.
 - 3) 3rd Coat: AQUA ALKYD Designer WB Semi-Gloss Enamel, 293.
 - a) Vehicle Type: Alkyd Latex Hybrid.
 - b) VOC Content: 0.85 g/L.
 - c) DFT: 2.1 mils.

END OF SECTION 09 91 00