

PART ONE - GENERAL

DESCRIPTION

SECTION INCLUDES: Perform all work required to complete the entire painting work, including but not limited to:

1. SURFACE PREPARATION for area to receive paints and coatings.
2. INTERIOR PAINT and coatings systems including: Paint, stains, transparent coating and opaque finishes.

RELATED SECTIONS

1. GENERAL CONDITIONS and Division 1
2. STILE AND RAIL WOOD DOORS: Section 08 212
3. FINISH CARPENTRY: Section 06 200

REFERENCES

COMPLY with the following standards.

1. ASTM D16 – Terminology for Paint, Related Coatings, Material and Applications.
2. EPA Method 24
3. PDCA (Painting and Decorating Contractors of America) – Industry Standards
4. SSPC (Society for Protective Coatings) – Standards

DEFINITIONS

CONFORM TO ASTM D16 for interpretation of terms used in this Section.

SUBMITTALS

PRODUCT DATA: Manufacturer's data sheets on each paint and coating products.

SELECTION SAMPLES: Complete set of color chips that represent the full range of manufacturer's color samples available.

VERIFICATION SAMPLES: For each finish product specified, submit samples that represent actual product, color, and sheen.

QUALITY ASSURANCE

MANUFACTURER: Primer and paint from same manufacturer. Company specializing in manufacturing the Products specified in this section with minimum three (3) years experience.

APPLICATOR: Company specializing in performing the work of this section with minimum five (5) years experience.

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 on finish materials to ensure use of compatible primers.

1. NOTIFY THE ARCHITECT of problems anticipated using the materials specified.

REGULATORY REQUIREMENTS

1. CONFORM TO applicable code for flame and smoke rating requirements for finishes.
2. VOC CONTAINING MATERIAL: Conform to applicable requirements.

DELIVERY, STORAGE, AND HANDLING

DELIVER PRODUCTS to site in sealed and labeled containers; inspect to verify acceptability.

1. CONTAINER LABEL to include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, clean up requirements, color designation, and instructions for mixing and reducing.

STORE PAINT MATERIALS at minimum ambient temperature of 45 degrees F (7 degrees C) and a maximum of 90 degrees F, (32 degrees C), in ventilated area, and as required by manufacturer's instructions.

KEEP STORAGE AREA NEAT AND ORDERLY. Remove oily rags and waste daily. Take necessary measures to ensure that works and work areas are protected from fire and health hazards resulting from handling, mixing, and application.

PROJECT CONDITIONS

DO NOT APPLY materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.

DO NOT APPLY EXTERIOR coatings during rain or snow, or when relative humidity is outside the humidity ranges required by the paint product manufacturer.

MINIMUM APPLICATION TEMPERATURES for Latex Paints: 45 degrees F for interiors; 50 degrees F for exterior; unless required otherwise by manufacturer's instructions.

MINIMUM APPLICATION TEMPERATURE for Varnish and Special Finishes: 65 degrees F for interior or exterior, unless required otherwise by manufacturer's instructions.

PROVIDE LIGHTING level of 40 ft candles measured mid-height at substrate surface.

EXTRA MATERIALS

PROVIDE: One (1) gallon of each color, type, and surface texture to Owner.

LABEL EACH CONTAINER with color, type, texture, room locations, and in addition to the manufacturer's label.

PART TWO – PRODUCTS

MANUFACTURERS

ACCEPTABLE MANUFACTURERS: Subject to compliance with requirements. Provide products by the following:

1. THE SHERWIN-WILLIAMS COMPANY; www.sherwin-williams.com
2. BENJAMIN MOORE & CO; www.benjaminmoore.com
3. PPG PITTSBURG PAINTS; www.ppgpittsburghpaints.com
4. APPROVED SUBSTITUTE

PROVIDE ALL PAINT and coating products used in any individual system from the same manufacturer; no exceptions.

MATERIALS

EXTERIOR WOOD: Stain – Doors, trim, etc.

1. FINISH: Satin
2. SYSTEM
 - a. 1st Coat: Filler coat for open grained wood
 - b. 2nd Coat: Stain
 - c. 3rd Coat: Sealer
 - d. 4th Coat: Polyurethane Varnish
 - e. 5th Coat: Polyurethane Varnish

PAINTS and COATINGS: Unless otherwise indicated, provide factory-mixed coatings. When required, mix coatings to correct consistency in accordance with manufacturer's instructions before application. Do not reduce, thin, or dilute coatings or add material to coatings unless such procedure is specifically described in manufacturer's product instructions.

ACCESSORY MATERIALS: Linseed oil, shellac, turpentine, paint thinners and other materials not specifically indicate but required to achieve the finishes specified, of commercial quality.

APPLICATION ACCESSORIES: Provide all primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials required, per manufacturer's specifications.

PRIMERS: Where the manufacturer offers options on primers for a particular substrate, use primer categorized as "best" by the manufacturer.

PATCHING MATERIALS: Latex filler.

FASTENER HEAD COVER MATERIALS: Latex filler

PASTE WOOD FILLER: Solvent-based, air-drying, paste-type wood filler for use on open-grain wood on interior wood surfaces.

SUPPLY MATERIAL in quantity required to complete entire project's work from a single production run.

PART THREE – EXECUTION

EXAMINATION

VERIFY THAT surfaces substrate conditions are ready to receive work as instructed by the product manufacturer.

EXAMINE SURFACES SCHEDULED to be finished prior to commencement of work. Report any conditions that may potentially affect proper application.

TEST SHOP APPLIED PRIMER for compatibility with subsequent cover materials.

MEASURE MOISTURE CONTENT of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces are below the industry standards.

PREPARATION

ENSURE SURFACE IS dry and in sound condition. Remove oil, dust, dirt, loose rust, peeling paint or other contamination to ensure good adhesion.

WOOD: Must be clean and dry. Prime and paint as soon as possible. Knots and pitch streaks must be scraped, sanded, and spot primed before a full priming coat is applied. Patch all nail holes and imperfections with a wood filler or putty and sand smooth.

APPLICATION

APPLY ALL COATINGS and materials with manufacturer specifications in mind. Mix and thin coatings according to manufacture recommendation.

DO NOT APPLY to wet or damp surfaces.

1. WAIT at least 30 days before applying to new concrete or masonry. Or follow manufacturer's procedures to apply appropriate coatings prior to 30 days.
2. TEST NEW CONCRETE for moisture content.
3. WAIT until wood is fully dry after rain, fog or dew.

APPLY COATINGS using methods recommended by manufacturer.

UNIFORMLY APPLY coatings without runs, drips, or sags, without brush marks, and with consistent sheen.

APPLY COATINGS at spreading rate required to achieve the manufacturers recommended dry film thickness.

APPLY AS MANY COATS as necessary for complete hide, and uniform appearance, regardless of number of coats specified.

INSPECTION: The coated surface must be inspected and approved by the Architect or Engineer just prior to each coat.

CLEANING

COLLECT WASTE MATERIAL which may constitute a fire hazard, place in closed metal containers and remove daily from site.

CLEAN GLASS and paint splattered surfaces. Don't damage adjacent finished surfaces.

PROTECTION

PROTECT finished coatings from damage until completion of project.

TOUCH-UP damaged coatings after substantial completion, following manufacturer's recommendation for touch up or repair of damaged coatings. Repair any defects that will hinder the performance of the coatings.

SCHEDULE

EXTERIOR WOOD DOORS & TRIM Transparent Finish

END OF SECTION