

09 90 00 | Painting and Coating

General

1. Cleaning: Before applying paint or other surface treatments, clean the substrates of substances that could impair the bond of various coatings. Remove oil and grease before cleaning.
2. Surface Preparation: Clean and prepare surfaces to be painted according to manufacturer's written instructions for each particular substrate condition and as specified.
3. Cementitious Materials: 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 of surface preparation.
4. Wood: Clean surfaces of dirt, oil and other foreign substances with scrapers and sandpaper as required. Sand surfaces exposed to view, smooth and dust off.
5. Interior paint shall be rated as a Class A Interior Finish in accordance with ASTM-E84 with a flame spread index of 0-25 and a smoke development value not exceeding 450.
6. Paint (and application of paint) must comply with all Occupational Safety and Health Administration (OSHA); Environmental Protection Agency (EPA); and Food & Drug Administration (FDA) regulations regarding:
 - A. Volatile Organic Compounds (VOC's)
 - B. Lead paint exposure and removal
 - C. Paint disposal
 - D. Storage and Ventilation

Products

1. Basis-of-Design paint manufacturers for interior and exterior paints shall be equal to one of the following:
 - A. PPG Industries, Inc. (Pittsburgh Paints)
 - B. Sherwin-Williams Company (Sherwin Williams)
 - C. Benjamin Moore & Co. (Benjamin Moore)
2. Paint qualities shall be *no less than manufacturer's Best Quality* based on the accepted industry categories of Good/Better/Best regarding volume of solids content.
3. High Performance Paints for exterior metals (all ornamental fences, bollards, etc.):
 - A. PPG Protective and Marine Coatings

PRIMER: EPOXY – AMERCOAT ONE (1 COAT)

FINISH COAT: ACRYLIC POLYSILOXANE – PSX ONE, BLACK COLOR (2 COATS)



Interior Execution

1. Generally, latex acrylic enamel, eggshell finish, shall be used on walls, in offices, conference rooms, corridors, classrooms, waiting rooms, etc.
2. Generally, alkyd enamel, semi-gloss finish, shall be used on walls, in bathrooms, toilets and kitchens as well as on trim, metal doors and cabinets.
3. Primers shall be applied as the first coat of the coating system as necessary to achieve a complete bond of the finish.
4. Electrostatic painting may be used on existing metal cabinets and plastic laminate cabinets.
5. Polychromatic Coating may be used on feature walls, wainscots and columns. The use of polychromatic coating must be approved by the Facilities Division prior to specifying.

Exterior Execution

1. Proper preparation, cleaning, and priming of surfaces are essential to a durable exterior paint application. Proper techniques should be specified and stressed during construction.
2. Exterior Wood: For exterior wood trim, doors, and windows painting is preferred over a clear finish with stain. High-gloss or semi-gloss is preferred for longer life of the finish and substrate.
3. Exterior Metal: Proper preparation is critical, as is the primer application. Insure that the primer is compatible with the top coat finish specified. Gloss finishes are preferred on metal. Metal fencing, railings, bollards, light poles, and other exterior metal construction items shall be painted with high performance exterior paint, color black – see products.
4. Decorative Exterior Handrails: Prior to installing cap, spray underside of cap rail with cold galvanized paint. All bronze handrails, end pieces and accessories to be unsealed/free of any lacquers or coatings to allow for a natural patina finish. For factory sealed items such as volutes, handrail fabricator to strip with methyl ethyl ketone so that volutes (cast pieces) will patina naturally with the handrail sections (which are furnished unsealed as extruded pieces). The university desires a natural patina bronze railing system for the natural color of the bronze and for reduced maintenance of sealers. Paint steel posts and support rails in accordance to UA's exterior metal paint requirements previously listed.

Warranty

5 year factory warranty for all high performance coatings is required.

- End of Guideline -

