DIVISION 09 - FINISHES

Section 09900 - Painting

Introduction

This Section applies to exterior and interior areas or surfaces which are intended to receive a final field painted finish. Final painted finishes serve two primary purposes:

- Provide a satisfactory protective coating for the surface
- Provide an aesthetically pleasing finish

When contemplating a painted finish for a particular surface, consider that the surface must be realistically accessible for maintenance and repainting in the future.

Develop separate specification sections for special coatings and finishes which are not traditionally considered "painted finishes," such as gymnasium floor finishes, corrosion resistant finishes, concrete floor sealers, concrete and masonry wall sealers, traffic coating, tennis court surfacing, etc.

Include a paint or finish schedule on the drawings, listing colors, locations and types of materials.

Part 1 - General

Do not specify painting for:

- Prefinished items (e.g. toilet partitions, acoustical materials, light fixtures, finished mechanical/electrical/plumbing equipment in concealed areas, etc.)
- Finished material surfaces (e.g. anodized aluminum, stainless steel, chromium plate, copper, plated hardware, rubber, etc.)
- Concealed surfaces
- Operating parts
- Identification labels
- Concrete steps, ramps, and sidewalks

Identify the Painting and Decorating Contractor's of America (PDCA) Technical Manual as a reference standard.

Require submission of manufacturer's technical information, label analysis, application instructions and Material Safety Data Sheets (MSDS) for each material proposed. Include cross reference to the specific finish system(s) and substrate(s).

Where precise color requirements are involved, specify a three-step color selection and approval process, including:

- Selection from manufacturer's color chips
- Verification from 12"x12" draw down cards
- Final confirmation from actual samples in the field
  Field samples shall encompass at least 100 square feet, be applied on the actual substrate, utilize the entire finish system, and produce the required sheen, color and texture under (simulated) final lighting conditions.

When epoxy or lacquer materials are specified, include a requirement for providing positive ventilation of the spaces and a requirement that the application be made after 5:00 p.m. on Friday (to allow odors to dissipate over the weekend).

Require submission of an "as-built" color and material schedule for each substrate and finish system with the project closeout documents, including:

- Descriptive location (room number, etc.)
- Manufacturer
- Paint type (name and number)
- Color (name and number)

The use of recycled paint may be considered for only primer coats and block fillers. Review with the UA Project Manager for a final determination.

Consider the use of plastic or metal corner guards on outside corners of painted walls to protect finish.

Part 2 - Products

Pre-approved paint manufacturers are: Dunn Edwards Corp., Frazee, PPG Paints – verify with Paint Shop, and Sherwin-Williams Paint Co. For exterior stain, add Olympic. See Table 1 for a description of product types and application.

Specify only manufacturer's first quality top-of-the-line products as described in the PDCA manual.

Specify only materials which comply with all VOC regulations promulgated by the Environmental Protection Agency, and as required for USBBC LEED certification (when applicable).

Specify colors from manufacturer's complete standard range. Do not custom match paint colors to other materials unless approved by the UA Project Manager. Limit the use of deep tint base colors to interior wood and metal trim only.

Specify a minimum of 1 coat of primer and 2 coats of finish on all new and existing surfaces.

Specify complete paint systems (primers and finish coats) for each substrate and finish.

Specify only primers which are specifically intended for each substrate.

For interior gypsum board walls and ceilings in the following locations use low sheen vinyl acrylic or acrylic paint (See Table 1):
- Classrooms
- Offices
- Corridors
- Stairs
- Dry laboratories
- Janitor closets
- Storage rooms
- Equipment rooms
- All other high use areas

For interior gypsum board ceilings in the following locations use semi-gloss enamel (See Table 1):
- Toilet room ceilings

For interior gypsum board walls and ceilings in the following locations use semi-gloss epoxy (See Table 1):
- Wet laboratories (walls only)
- Animal care areas
- Certain medical care areas
- Shower rooms
- All other areas exposed to substantial moisture

Part 3 - Execution

Specify required protection of adjacent surfaces, and removal/replacement of appurtenances.

Require that product data and MSDS for each material being used are available on the site.

Specify priming, painting, and finishing of all painted surfaces, covering in detail:
- Required surface preparation (for all new and existing surfaces)
- Application techniques
- Drying times
- Sanding
- Recoating
- Minimum number of coats

Refer to Gypsum Board section 09250 for requirement that all gypsum wallboard receive PVA primer prior to texture. Gypsum wallboard to receive separate painting primer coat after it is textured, and prior to the application of the first coat of paint.

Make reference and specify the techniques found in the PDCA manual for a "type 1 standard job".

Include a requirement that each primer and finish coat be inspected through the University's inspection process prior to application of the succeeding coat, and that the color of each coat be slightly varied.

Prior to painting/finishing of metal components, painter to verify that all top and upper surfaces have been seal welded.

Table 1 - Paint List

	General Description	Dunn Edwards	Sherwin Williams
INTERIOR			
Concrete Masonry Block			
Block Filler (Primer)	Smooth Block Filler	Smooth Blocfil SBSL00, MPI #4	B25W25 PrepRite Latex Block Filler
Eggshell	100% Acrylic	Spartashield SSHL30, MPI #161	A75 Series SOLO® 100% Acrylic Interior/Exterior Eg-Shel
Epoxy - eggshell	Epoxy	Carboline Sanitile 255	B73-360 Series Pro Industrial™ Water Based Catalyzed Epoxy Eg-Shel
Epoxy for Healthcare (0 VOC) - eggshell	Epoxy	Monopole Monochem 200	
Gypsum Wallboard			
Primer	PVA	Vinylastic	
Eggshell (standard)	Vinyl Acrylic	Spartawall 30 Spartazero	B20-2600 Series ProMar® 200 Zero VOC Interior Latex Eg-Shel
Eggshell (standard)	Vinyl Acrylic - VOC Absorptive		B09-1000 Series Harmony ® 100% Acrylic Interior Acrylic Eg-Shel
Eggshell (alternate) *Previous UA standard, no longer required, may be specified if recommended by UA Project Manager or Design Professional)*	100% Acrylic	Spartashield SSHL30, MPI #161	A75 Series SOLO® 100% Acrylic Interior/Exterior Eg-Shel
Semi-gloss	100% Acrylic	Spartawall SWLL50, MPI #153	A76 Series SOLO® 100% Acrylic Interior/Exterior Semi-Gloss.
Flat (only when approved by PDC)	Vinyl Acrylic	Spartawall 10	B30-2600 Series ProMar® 200 Zero VOC Interior Latex Flat
Flat (only when approved by PDC)	100% Acrylic	Spartashield 10	A74 Series SOLO® 100% Acrylic Interior/Exterior Flat.
Epoxy - eggshell	Epoxy	Carboline Sanitile 255	B73-360 Series Pro Industrial™ Water Based Catalyzed Epoxy Eg-Shel
Epoxy for Healthcare (0 VOC) - eggshell	Epoxy	Monopole Monochem 200	Pro-Industrial Catalyzed Water Based Epoxy
Metal - Steel			
Primer	Primer	Bloc-rust	B66-310 Series Pro Industrial™ Pro-Cryl® Universal Primer
Semi-gloss	100% Acrylic	1. Evershield 2. Spartashield 50	1. B66W350 Series Sher-Cryl™ HPA High Performance Acrylic Semi Gloss. 2. A76 Series SOLO® 100% Acrylic Interior/Exterior Semi-Gloss
Semi-gloss (0 VOC)	100% Acrylic	Ultrashield	
Wood Trim			
Semi-gloss	100% Acrylic	Spartawall SWLL50, MPI #153	A76 Series SOLO® 100% Acrylic Interior/Exterior Semi-Gloss.

Table 1 - Paint List

	General Description	Dunn Edwards	Sherwin Williams
EXTERIOR			
Masonry			
Block Filler	Smooth Block Filler	Smooth Blocfil SBSL00, MPI #4	B25W25 PrepRite Latex Block Filler
Primer	Primer	Eff-stop primer ESSL00	A24W8300 LOXON® Concrete & Masonry Primer/Sealer Interior/Exterior Latex
Flat	100% Acrylic	1. Acri-hues ACHS10 2. Evershield EVSH10	1. A-100 Exterior Latex Flat, A6 Series 2. Upgrade Option- K47 Series Emerald™ Exterior Acrylic Flat
Stucco			
Primer		Eff-stop primer ESSL00	A24W8300 LOXON® Concrete & Masonry Latex Primer/Sealer Interior/Exterior.
Flat	100% Acrylic	Evershield EVSH10	1. A-100 Exterior Latex Flat, A6 Series 2.Upgrade Option- K47 Series Emerald™ Exterior Acrylic Flat.
Metal - Aluminum			
Primer	Primer	Ultra-grip	B66-310 Series Pro Industrial™ Pro-Cryl® Universal Primer.
Semi-gloss	100% Acrylic	1. Evershield EVSH50 2. Spartashield 50	1. B66W350 Series Sher-Cryl™ HPA High Performance Acrylic Semi Gloss. 2. A76 Series SOLO® 100% Acrylic Interior/Exterior Semi-Gloss
Semi-gloss (0 VOC)	100% Acrylic	Ultrashield	
Metal - Steel			
Primer	Primer	Bloc-rust	B66-310 Series Pro Industrial™ Pro-Cryl® Universal Primer
Semi-gloss	100% Acrylic	1. Evershield EVSH50 2. Spartashield 50	1. B66W350 Series Sher-Cryl™ HPA High Performance Acrylic Semi Gloss. 2. A76 Series SOLO® 100% Acrylic Interior/Exterior Semi-Gloss
Semi-gloss (0 VOC)	100% Acrylic	Ultrashield	
Wood Trim			
Primer	Primer	Ez prime EZPRO0	B51-8000 Series Multi-Purpose Latex Primer Interior/Exterior
Semi-gloss	100% Acrylic	1. Evershield 2. Spartashield 50	1. B66W350 Series Sher-Cryl™ HPA High Performance Acrylic Semi Gloss. 2. A76 Series SOLO® 100% Acrylic Interior/Exterior Semi-Gloss

End of Section 09900