

SECTION 09900 – PAINTING AND COATING

PART 1 GENERAL

GENERAL REQUIREMENTS

Do not specify alkyd paints for interior applications without special authorization.

To the maximum extent practicable, materials shall be by a single manufacturer with additional manufacturers providing systems not offered by the principal manufacturer.

Selection of paints and coatings shall be based on careful analysis of function, aesthetic, cost, sustainability and durability.

Preparing painted surfaces for repainting may cause disturbance of lead containing coatings in a manner that could result in elevated blood lead levels for workers performing those activities. See Division 1.14 Lead Related Construction Activities.

GREEN BUILDING

This section may allow for LEED-CI v2.0 credit in the following categories: MR 2.1, MR 2.2, MR 3.1, MR 3.2, MR 4.1, MR 4.2, MR 5.1, MR 5.2, EQ 3.1, EQ 3.2, EQ 4.2 and ID 1.

SUBMITTALS

Contractor shall provide Owner with a complete list of materials including those resulting from field changes. List to include manufacturer's code, name, lot number, and paint label analysis or formula. List shall be cross referenced to systems and numbers used in the Contract Documents.

Unless specifically requested, do not specify extra paint stock.

Verification of experience of applicators, including clear sealer at Wet Lab floors, shall be submitted by Contractor.

PART 2 PRODUCTS

MATERIALS

General:

Use manufacturer's best quality paint in manufacturer's Professional product line.

Products shall be free of mercury and lead.

Materials selected for coating systems for each type surface shall be the product of a single manufacturer or shall be acceptable to manufacturer of finish coating for system.

Paints and stains shall be delivered ready mixed to jobsite.

Environmental Criteria:

All interior and exterior paints and coatings used must be certified according to the latest “Green Seal Environmental Standard for Paints” (GS-11), Green Seal, Inc.

<http://www.greenseal.org/index.cfm>

All anti-corrosive paints must satisfy the latest “Green Seal Environmental Standard for Anti-Corrosive Paints”, (GS-03), Green Seal, Inc. <http://www.greenseal.org/index.cfm>

All coatings, primers and undercoats must satisfy the South Coast Air Quality Management District Rule 1113 for architectural coatings.

http://www.aqmd.gov/ceqa/notices/2007/noe/1113_NOE.pdf

The owner shall have the discretion to require more stringent Zero VOC paints and coatings or natural paints.

Indoor Air Quality:

VOC limits for interior and exterior paints and coatings are defined by the latest GS-11 as follows:

Interior Paints and Primers:	Non-flat: 150, Flat: 50
Exterior Paints and Primers:	Non-flat: 200, Flat: 100

VOC limits for anti-corrosive paint are defined by the latest GS-03 as follows:

Anti-Corrosive Paints:	Gloss: 250, Semi-gloss: 250, Flat: 250
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Restricted chemical compounds as defined by the latest GS-11 and GS-03 shall not be used as ingredients in the manufacture of the product.

Gloss:

Levels: 60-degree meter gloss reading range:

Eggshell: 5 to 20.

Satin: 20 to 25.

Semi-gloss: 35 to 65.

Locations of Use:

Satin or eggshell finish shall be used in offices and departmental work space.

Washable, semi-gloss finish shall be used in public areas, including entries, corridors, stairwells, classrooms, restrooms, and laboratories.

Wet Lab Floors: Non-yellowing, water-borne, penetrating polymer resin applied to unpainted, smooth concrete by experienced applicator. Completed exposed concrete flatwork shall maintain a surface coefficient of friction that meets ADA requirements.

COLORS

Use standardized paint colors from the University's color palettes as follows for high-traffic and public areas. Fuller-O'Brien product numbers are shown for reference only:

Soft Touch (1)	F-110
Adoration (1)	B-111
Gossamer (1)	B-112
Cameo (1)	C-112
Pearl White (1)	C-113
Tuscan Pink (1)	C-114
Imperial White (1)	G-114
Champagne White (1)	G-115
Whisper White (1)	H-110
Stone White (1)	G-113
Marble White (1)	H-111
China Plate (1)	D-111
White Wing (1)	G-110
Oyster White (1)	G-111
White Opal (1)	H-113
Seed Pearl (1)	H-112
Bold White (1)	G-112
Linen White (1)	A-112
Bleached Ivory (1)	A-110
Navajo White (1)	A-111

Use Light Colors To:

Reduce inventory to fewer colors.

Reduce waste of non-used deep-tone colors.

Save time matching colors.

Enable faster turn-over rate on materials, reducing possibility of paint spoilage.

Enable faster service, i.e., response, touch-ups.

Avoid use of deep-tone colors because they:

Cost more.

Do not reflect light as well as light colors.

Are difficult, it not impossible, to match.

Fade faster.

Where appropriate, specify paint mil thickness to ensure suitable coverage and durable finish.

PART 3 EXECUTION

INSTALLATION

Surface preparation as required by paint manufacturer, including cleaning, patching, sealing at doors and windows, and leveling.

Initial coatings shall not be applied until moisture content of surface is within limitations recommended by paint manufacturer.

Coordinate with Project Manager for removing existing items on walls, storage and re-installation.

Do not paint over name plates and fire labels. Cross reference and coordinate with Divisions 15 and 16. Note that Contractor is responsible to coordinate with Project Manager for the protection of smoke detectors and sprinkler heads during painting activities.

Minimum Required Number of Coats:

Existing Coating or Shop-Applied Primer: Two.

New and Not Shop Primed: Primer and two finish coats.

Additional coats shall be applied at no additional cost as required to hide base material completely, produce uniform color, and provide required and satisfactory finish.

SITE ENVIRONMENTAL PROCEDURES

Waste Management: As specified in Section 01 74 19 – Construction Waste Management and Disposal and as follows:

Coordinate with manufacturer(s) for take-back program for collection of construction scrap, unused material, demolition scrap, and packaging material.

Where feasible, separate demolition waste, construction waste, and recycling to further utilize waste reduction programs.

END OF SECTION 09900