SECTION 099100 – PAINTING

PART 1: GENERAL

1.1. Scope of Standard

A. This standard provides general guidance concerning the specific preferences for exterior and interior painting materials and paint system for the following substrates:
   1. Brick
   2. CMU
   3. Concrete
   4. Gypsum board
   5. Plaster
   6. Steel
   7. Stucco

B. Project conditions and requirements vary, thus precluding the absolute adherence to the items identified herein in all cases. However, unless there is adequate written justification, it is expected that these guidelines shall govern the design and specifications.

C. In particular, no stone surfaces shall be painted.

1.2. Reference Standards

A. Mechanical piping schedule: Refer to Division 21, 22 and 23 for painting requirements of mechanical piping.

B. Latest editions of the following reference standards where applicable:
   1. American Society for Testing and Materials - ASTM.
   2. Steel Structures Painting Council - SSPC.

1.3. Quality Control

A. Interior wall finish: Standard drywall finish type shall be "Satin/Eg-shel", trim shall be "semi-gloss", ceilings shall be "Flat".

B. All public, high-traffic, and housing dormitories areas shall be semi-gloss as directed by or at the discretion of the project manager or WVU representative.

C. Lead: In no instance shall any product containing lead be acceptable for use.

D. Interior work areas should cleaned and free of dirt and dust prior to painting operations.

1.4.<u>General Requirements</u>

    A. Interior paint schedule:
1. A level 4 finish is required: All appropriately prepared gypsum board surfaces shall have one coat of drywall primer applied to yield a properly painted surface and one separate coat of topcoat material applied to yield a properly painted surface over the drywall primer. Paint shall be applied to the mil film thickness and application conditions specified by the paint manufacturer. The recommended level of paint finish over gypsum board wall and ceiling surfaces varies depending on the location in the structure, the type of paint applied, the finish achieved on the gypsum board substrate prior to final decoration, and the type of illumination striking the surface.
2. All spaces shall receive one (1) coat of primer, with two (2) coats of final coat paint, and top coat must be rolled.

    B. Top, edges, and bottoms of doors shall be finished to match finish applied to face of door.

    C. Contractor shall submit a painting schedule as part of pre-substantial completion close-out documentation. Include manufacturer, type, grade, color, pigment formula, and locations where each type is used.

    D. For sustainability purposes, low or zero VOC coating shall be used.

    E. Follow the steps if occupied spaces or areas adjacent to occupied spaces are effected by the work:
1. Coatings and paint systems selections shall be made so as not to disrupt normal operations, unless otherwise specifically authorized by the WVU project representative.
2. For Exterior work, asses the building's air intake system and whether by closing particular louvers and/or altering set-up, the impact on the building's occupants can be lessened.
3. Do not use mineral-spirit based sealants at occupied buildings.
4. Proper ventilation based on product specification MSDS sheets must be on site.

    F. Coatings and paint systems that will potentially be in contact with chemicals, consult with the manufacturers to assure compatibility with the anticipated exposure. In addition, consult WVU EHS through project manager to assure that proper exposure assumptions are being made.

    G. Concrete block filler and enamel paint shall be applied at all areas of painted concrete blocks.

PART 2: PRODUCTS – PROFESSIONAL LINE PRODUCTS

2.1.<u>General</u>

    A. Interior Walls: ProMar 200 low or zero VOC E/S B20W2651 or ProMar 200 0 VOC S/G B31W2651

B. Interior and Exterior Acrylic (Drywall, Block, Steel): ProIndustrial low or zero VOC Gloss B66W611 or ProIndustrial 0 VOC SG B66W651

C. Interior Prepackaged Epoxy (Drywall, Block, Steel): ProIndustrial Epoxy E/S K45W151 or ProIndustrial Epoxy S/G K46W151

D. Interior Two Part Epoxy (Drywall, Block, Steel): Proindustrial Waterbased Catalyzed Epoxy B70W200 and B60V15 Hardener

E. Interior Wood Doors: Polyurethane Satin A67F1 and Gloss A67V1 or Waterbased Urethane Gloss A68V91

F. Exterior Oil: Metal- DTM Oil SG B55W101 or Industrial Enamel Oil Gloss B54W101

2.2. Paint Materials

A. Standard Classroom Colors preferred by WVU:

	Manu.	Color	Finish	Specification
1	Sherwin Williams	Pure White	Satin/Eg-shel	SW 7005
2	Sherwin Williams	Dover White	Satin/Eg-shel	SW 6385
3	Sherwin Williams	Macadamia	Satin/Eg-shel	SW 6142
4	Sherwin Williams	Bagel	Satin/Eg-shel	SW 6114
5	Sherwin Williams	Vanilin	Satin/Eg-shel	SW 6371
6	Sherwin Williams	Harvester	Satin/Eg-shel	SW 6373
7	Sherwin Williams	Inviting Ivory	Satin/Eg-shel	SW 6372
8	Sherwin Williams	Dockside Blue	Satin/Eg-shel	SW 7601
9	Sherwin Williams	Blue Beyond	Satin/Eg-shel	SW 6961
10	Sherwin Williams	Dazzle	Satin/Eg-shel	SW 6962
11	Sherwin Williams	Indigo	Satin/Eg-shel	SW 6531
12	Sherwin Williams	Repose Gray	Satin/Eg-shel	SW 7015
13	Sherwin Williams	Searching Blue	Satin/Eg-shel	SW6536
14	Sherwin Williams	Cosmos	Satin/Eg-shel	SW6528
15	Sherwin Williams	Scanda	Satin/Eg-shel	SW6529

16	Sherwin Williams	Revel Blue	Satin/Eg-shel	SW6530
17	Sherwin Williams	Butter Up	Satin/Eg-shel	SW6681
18	Sherwin Williams	Banana Cream	Satin/Eg-shel	SW6673
19	Sherwin Williams	Kilim Beige	Satin/Eg-shel	SW 6106
20	Sherwin Williams	Interactive Cream	Satin/Eg-shel	SW6113
21	Sherwin Williams	Practical Beige	Satin/Eg-shel	SW6100
22	Sherwin Williams	August Moon	Satin/Eg-shel	SW7687
23	Sherwin Williams	Naval	Satin/Eg-shel	SW6244
24	Sherwin Williams	Mesa Tan	Satin/Eg-shel	SW7695

B. Standard Exterior Colors
   1. Not Specified, FM Approval

C. Any additional paint selections needs to be approved by the WVU project representative.

D. Match color swatch by computer matching.

PART 3: EXECUTION – NOT USED

END OF SECTION 099100