SECTION 09901CPPR – INTERIOR PAINTS AND COATINGS

PART 1 - GENERAL

1.01 Except for minor work, sufficient sample areas shall be completed for Brown University Project Manager approval.

1.02 RELATED WORK

A. Section 00100 General Conditions for as-built samples
B. Section 09200 Plaster
C. Section 10260 Wall and Corner Guards

PART 2 - PRODUCTS

2.01 The following manufacturers shall be used unless otherwise approved by a Brown University Project Manager:
   Sherman Williams
   Benjamin Moore
   Pratt & Lambert
   ICI-Glidden

2.02 INTERIOR

A. Latex paint shall have low or no VOC formulations.
B. Wall paint shall not be flat and shall be a minimum of eggshell latex finish on walls.
C. Ceiling paint shall be flat (except in bathrooms and similar spaces).
D. Paints in bathrooms and other wet locations shall be epoxy formations.
E. Oil primer and acrylic surface coats are required over raw wood.
F. Oil base semi-gloss or high-gloss shall be used on all trim and doors.
G. A polymix of fleck type coatings may be used on walls.
H. ICI-Glidden shall be used for interior industrial coatings.

1 Listing of related sections is for convenience and is not all-inclusive. Affected sections or drawings where specific design requirements are to be specified, or related sections where applicable Brown University Design and Construction Guidelines may appear, are indicated.
2.03 PRODUCT-SPECIFIC ENVIRONMENTAL REQUIREMENTS.

A. Chemical Component Limitations.

1. VOCs. The VOC concentrations of the product shall not exceed those listed below as determined by U. S. Environmental Protection Agency (EPA) Reference Test Method 24 (Determination of Volatile Matter Content, Water Content, Density Volume Solids, and Weight Solids of Surface Coatings), Code of Federal Regulations Title 40, Part 60, Appendix A.

   The calculation of VOC shall exclude water and tinting color added at the point of sale.

   Interior Coatings:

<table>
<thead>
<tr>
<th>Coating Type</th>
<th>VOC weight in grams/liter of product minus water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-flat</td>
<td>150</td>
</tr>
<tr>
<td>Flat</td>
<td>50</td>
</tr>
</tbody>
</table>

2. Aromatic Compounds. The product must contain no more than 1.0% by weight of the sum total of aromatic compounds. Testing for the concentration of these compounds will be performed if they are determined to be present in the product during a materials audit.

B. Chemical Component Restrictions. The manufacturer shall demonstrate that the following chemical compounds are not used as ingredients in the manufacture of the product.

1. Halomethanes
   - methylene chloride

2. Chlorinated ethanes
   - 1,1,1-trichloroethane

3. Aromatic solvents
   - benzene
   - toluene (methylbenzene)
   - ethylbenzene

4. Chlorinated ethylenes
   - vinyl chloride

5. Polynuclear aromatics
   - naphthalene

6. Chlorobenzenes
   - 1,2-dichlorobenzene

7. Phthalate esters
8. Miscellaneous semi-volatile organics
   isophorone

9. Metals and their compounds
   antimony
   cadmium
   hexavalent chromium
   lead
   mercury

10. Preservatives (antifouling agents)
    Formaldehyde

11. Ketones
    methyl ethyl ketone
    methyl isobutyl ketone

12. Miscellaneous volatile organics
    acrolein
    acrylonitrile

C Packaging Requirements: The manufacturer shall demonstrate that paint cans and their components are not fabricated with lead

2.04 LABELING REQUIREMENTS FOR CERTIFICATION BY GREEN SEAL

A. The Green Seal Certification Mark must appear on the packaging.

B. Whenever the certification mark appears on a package or product, the product or package must contain a description of the basis for the certification. The description shall be in a location, style, and typeface that are easily readable by the consumer. The description shall read as follows:
   “This product meets Green Seal environmental standards for volatile organic compounds (VOCs) and other ingredients”.

C. The packaging shall be accompanied by a brief statement discouraging disposal into drains and encouraging consultation with local authorities for disposal requirements or recycling opportunities.
D. Paints which have been formulated without VOCs shall be designated Class A and may contain a special designation to that effect on the label.

PART 3 - EXECUTION

3.01 Preparation, application and other procedures per manufacturers recommendations shall be submitted for approval by a Brown University Project Manager.

3.02 All paint systems shall be consistent.

3.03 Sprayed surfaces shall be back-rolled.

3.04 Existing glossy painted surfaces shall be properly prepared by cleaning and deglossing.

3.05 When paint is being applied in, sharing air handling equipment with, or otherwise adjacent to occupied space, proper required ventilation shall be provided in a manner that controls off-gassing requirements.

3.06 Newly painted areas require corner guards. See section 10260 for details.

3.07 Preparation or painting work in, sharing air handling equipment with, or otherwise adjacent to occupied space shall be installed in a manner that controls spread of odors and dust or other particulate including, as required, temporary partitions and coordination of modifications to HVAC operating requirements.

3.08 ENVIRONMENTAL REQUIREMENTS:

A. During the progress of the work, remove from the site all discarded paint materials, rubbish, cans and rags at the end of each work day.

B. Protect work and work of other trades, whether to be painted or not, against damage by painting and finishing work. Correct any damage by cleaning, repairing or replacing, and repainting, as acceptable to the Interior Designer or Architect.

END OF SECTION