DIVISION 09 - FINISHES

PLASTER AND GYPSUM BOARD 09 20 00
Lightly textured finish. Smooth finish may be used in specific areas if approved by the University's Representative.

ACOUSTICAL CEILINGS 09 51 00
Heavy-duty suspended grid.

RESILIENT FLOORING 09 65 00
Chemical-use laboratories, glass wash or other areas where liquids are used or stored shall have watertight flooring. Provide seam sealed sheet vinyl flooring with at least a 4-inch continuous cove or equivalent. Flooring material to be compatible with the chemicals to be used or stored.

Flooring at Permanent Cabinets: Resilient flooring is required under fixed floor cases and cabinets.

Adhesives and primers shall meet the following VOC limits:

<table>
<thead>
<tr>
<th>Adhesives</th>
<th>VOC Limit g/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rubber Floor Adhesive</td>
<td>60</td>
</tr>
<tr>
<td>Sub-floor Adhesive</td>
<td>50</td>
</tr>
<tr>
<td>VCT and asphalt tile Adhesive</td>
<td>50</td>
</tr>
<tr>
<td>Cove Base Adhesive</td>
<td>50</td>
</tr>
<tr>
<td>All others</td>
<td>250</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sealant Primers</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Other</td>
<td>750</td>
</tr>
</tbody>
</table>

Requirements from South Coast Air Quality District Rule 1168 (10/3/03) except for aerosol adhesive requirements which come from Green Seal Standard GS 36 (10/19/00). Applicable definitions apply.

CARPETING 09 68 00
Colors and shades selected should be of medium intensity (not so light as to easily show soiling, or so dark as to show dust and lint). Multi-colored heathers and non-directional patterns are desirable for their soil-hiding capability. Solid color carpet should not be used.

Carpet tile systems must not exceed the target emissions factors of the Carpet and Rug Institute’s following programs:
2. Carpet Cushion: Green Label Program and Testing Procedure

Handicapped Requirement - 4500 (min) = (yarn weight) (36) divided by pile height.

ROLL CARPET
Type: Carpet shall be installed by direct glue-down method, unless otherwise noted, and shall be a woven or tufted product, meeting or exceeding the following criteria.
   Construction - Woven or tufted
   Texture - Loop pile
   Fiber - 3rd or 4th generation continuous filament soil hiding nylon; Allied Chemical, DuPont, Badische, or equal.
   Face Weight:
      Woven: Minimum 25 oz.
      Tufted: Minimum 28 oz.
   Gauge: Minimum 1/8 inch
   Density:
      Woven: Minimum 5100
      Tufted: Minimum 6000
   Primary Backing: Polypropylene
   Secondary Backing: Unitary (for gluedown)
   Warranty: 10 year limited wear warranty.

CARPET TILE
Carpet Type: Carpet tile shall be #4000 series carpet tile, as manufactured by Interface, Bentley, or equal, and in accordance with the following specifications.

Quality - 4000 series #P/2400, fusion bonded.
   Construction - Spinning method shall be parallel, count/ply/cable shall be 2.25/2/2, after treatment shall be autoclaved heat-set. Carpet shall have low VOC emitting materials.
   Yarn - 100 percent Zeftron nylon with static control.
   Yarn Size - 9.2 (pitch).
   Color - To be selected.
   Gauge - 85 sq. in.
   Yarn Weight - 28 oz./sq. yd.
   Stitches/6 inc. - 55.2.
   Pile Height - 0.250 in.
   Primary Back - Primary vinyl of 54 oz./sq. yd. Nonwoven glass/polyester of 2.4 oz./sq. yd.
   Secondary Back - Secondary vinyl of 75 oz./sq. yd. Glass fleece of 1.2 oz./sq. yd.
   Total Weight - 160 oz./sq. yd.
   Tile Size - 18 inches by 18 inches.
PAINTING AND COATING 09 90 00

Materials shall be top-of-the-line products by firms with over 5 years manufacturing experience with a full product line. Prime coats and finish coats for any 1-paint system shall be the products of the same manufacturer.

Architectural coatings must comply with the following maximum emissions criteria and material prohibitions:

<table>
<thead>
<tr>
<th></th>
<th>Interior Coatings</th>
<th>VOC Limit g/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-flat</td>
<td></td>
<td>150</td>
</tr>
<tr>
<td>Flat</td>
<td></td>
<td>50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Exterior Coatings</th>
<th>VOC Limit g/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-flat</td>
<td></td>
<td>200</td>
</tr>
<tr>
<td>Flat</td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Anti-corrosive Coatings (ferrous)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gloss, Semi-gloss and Flat</td>
<td>250</td>
</tr>
</tbody>
</table>

Requirements from Green Seal Standard GS 11 (10/19/00) and GC 03 (1/7/97). Applicable definitions apply.

1. 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.
2. Prohibited Chemicals: the manufacturer shall demonstrate that the following chemical compounds are not used as ingredients in the manufacture of the product.
3. Halomethanes: methylene chloride
4. Chlorinated ethanes: 1,1,1-trichloroethane
5. Aromatic solvents: benzene, toluene (methylbenzene), ethylbenzene
6. Chlorinated ethylenes: vinyl chloride
7. Polynuclear aromatics: naphthalene
8. Chlorobenzenes: 1,2-dichlorobenzene
9. Phthalate esters: di (2-ethylhexyl) phthalate, butyl benzyl, phthalate, di-n-butyl phthalate, di-n-octyl phthalate, diethyl phthalate, dimethyl phthalate
10. Miscellaneous semi-volatile organics: isophorone
11. Metals and their compounds: antimony, cadmium, hexavalent chromium, lead, mercury
12. Preservatives (antifouling agents): formaldehyde
13. Ketones: methyl ethyl ketone, methyl isobutyl ketone
14. Miscellaneous volatile organics: acrolein, acrylonitrile

EXECUTION
Backprime all wood installed against steel, concrete, plaster, or tile, and all wood with surfaces exposed in exterior locations.
A single color matching walls and ceilings shall be used on all surfaces. Visible surfaces behind vents, grilles, etc., shall be painted flat black. Insides of all drawers, shelves inside cabinets, and other wood surfaces where scheduled or noted shall be given one coat of clear gloss lacquer, or clear polyurethane-base varnish.

VENTILATION
The room/space shall be supplied with 100 percent outside air during painting and for a period of 72 hours following completion of painting. The air leaving the room/space shall be exhausted only to the outside, with no distribution to any occupied spaces during painting and for a period of 72 hours following completion of painting.