CCU is continuing its investigation into preferred floor surface materials. In general, selection of floor materials should consider the environmental impact of maintenance chemicals and long term maintenance costs. Careful review with Project Manager and maintenance staff for each project is encouraged. General floor finishes for use by area:

Lobbies: Ceramic Tile, Terrazzo,
Corridors: Resilient Sheet, Carpet Tiles, or Resilient Tile.
Offices: Carpet Tiles, Resilient Sheet, or Resilient Tile.
Classrooms: Carpet Tiles, Resilient Sheet, or Resilient Tile.
Dormitory Rooms: Resilient Sheet, or Resilient Tile.
Laboratories: Resilient Sheet.
Restrooms: Ceramic Tile.
Janitor Closets: Ceramic Tile with 1/4" solid surface (Corian) surround at mop sink walls.

Specify that the contractor be responsible for initial cleaning and maintenance of the floor until final completion.

Architects and Engineers are responsible for proper selection of materials in each building system for specific projects; these standards do not relieve the designer from that responsibility.

Gypsum Board

Products:


Mold resistant, paperless gypsum board shall be used in bath, kitchen, and janitor locations.

As standard practice, office and classroom partitions should utilize a design incorporating sound attenuation batts.

LEED Considerations:

Credit MR 4.1: For products having recycled content, documentation indicating percentages by weight of postconsumer and preconsumer recycled content.

Credit MR 5.1 and Credit MR 5.2: For products and materials required to comply with requirements for regional materials indicating location and distance from Project of material manufacturer and point of extraction, harvest, or recovery for each raw material.
Include statement indicating cost for each regional material and the fraction by weight that is considered regional.

Credit EQ 4.1: For adhesives used to laminate gypsum board panels to substrates, including printed statement of VOC content.

**09 30 00 Ceramic Tile**

Locations:

Entry Lobbies, Stairs, Toilet Rooms, Shower Rooms

Products:

Ceramic tile to be selected on a project specific basis.

Interior Installations, Recessed Concrete Subfloor:

Tile Installation F112: Cement mortar bed (thickset) bonded to concrete.
Tile Type: Unglazed ceramic mosaic tile and porcelain tile.
Grout: Polymer-modified sanded grout. Epoxy Grout in wet areas.

Interior Floor Installations, Flat Concrete Subfloor:

Tile Installation F113: Thin-set mortar.
Tile Type: Unglazed ceramic mosaic tile and porcelain tile.
Grout: Polymer-modified sanded grout. Epoxy Grout in wet areas.

Interior Wall Installations, Masonry or Concrete

Tile Installation W202: Thin Set Mortar
Tile Type: Unglazed porcelain tile.
Grout: Polymer-modified sanded grout. Epoxy Grout in wet areas.

Shower Receptor and Wall Installations, Concrete or Masonry:

Tile Installation B414: Cement mortar bed (thickset).
Tile Type: Unglazed ceramic mosaic tile and porcelain tile.
Bond Coat Mortar for Wet-Set Method: Latex- portland cement mortar.
Grout: Polymer-modified sanded or unsanded grout. Epoxy Grout in wet areas.

LEED Considerations:
Product Certificates for Credit MR 5.1 and Credit MR 5.2: For products and materials required to comply with requirements for regional materials indicating location and distance from Project of material manufacturer and point of extraction, harvest, or recovery for each raw material. Include statement indicating cost for each regional material and the fraction by weight that is considered regional.

Credit EQ 4.1: Manufacturers’ product data for adhesives and sealants, including printed statement of VOC content.

09 51 13 Acoustical Panel Ceilings

Standards:

IBC 1621.1, CISCA Seismic Zones 3 & 4.

CCU prohibits the use of thermal batts on the top of acoustical panel ceilings.

Products:

Mineral Base. Armstrong World Industries; “Ultima” Item No. 1911, 2’ by 2’ square.


Metal Suspension System. Armstrong World Industries, Inc.; “Prelude XL 15/16” Exposed Tee System.”

Perimeter Trim for Seismic Restraint: 2 inch wide 7823 Shadow Molding by Armstrong.

LEED Considerations:

Product Data for Credit MR 4.1: For products having recycled content, documentation indicating percentages by weight of postconsumer and preconsumer recycled content.

Product Data for Credits MR 5.1 and 5.2: For regional products, documentation indicating percentages by cost of materials extracted, processed and manufactured within 500 miles of project site.

Product Data for Credit EQ 4.1: For sealants, including printed statement of VOC content.

09 65 16 Resilient Sheet Flooring

Locations:

Entry Lobbies, Stairs, High traffic areas such as corridors and some classroom locations.

Consider use of rubber floors and linoleum (Marmoleum) where sheet goods are applicable.

09 68 13 Tile Carpeting
Locations:

Offices, Select Classroom Locations

Consider use of carpet tiles where carpeting is applicable.

09 91 00 Painting

CCU prefers the use of Sherwin Williams paint colors for simplicity when referencing colors for maintenance purposes. Specify Sherwin-Williams products where possible.

Exterior Painting Systems

Galvanized-Metal Substrates:

1. Latex System: MPI EXT 5.3A.

Steel Substrates, including Exterior Custom Canopy, Pipe Columns and Metal Fabrications:

2. Polyurethane, Pigmented, Over High-Build Epoxy Coating System: MPI EXT 5.1G.
   a. Prime Coat: Epoxy zinc primer, MPI#20 (Omit for shop primed items).
   c. First Topcoat: Polyurethane, two-component, pigmented, gloss, MPI #72.
   d. Second Topcoat: Polyurethane, two-component, pigmented, gloss, MPI #72.

Interior Painting Systems

Concrete Unit Masonry: Provide the finish systems over interior concrete masonry:

3. Institutional Low-Odor/VOC Latex System: MPI INT 4.2E.

4. Water-Based Epoxy Coating System: MPI INT 4.2J.
   b. Intermediate Coat: Water-based epoxy (interior and exterior), MPI #115.
   c. Topcoat: Water-based epoxy (interior and exterior), MPI #115.

Gypsum Board Substrates:
5. Institutional Low-Odor/VOC Latex System: MPI INT 9.2M.

6. Water-Based Epoxy Coating System: MPI INT 9.2F.
   a. Prime Coat: Interior latex primer/sealer, MPI #50.
   b. Intermediate Coat: Water-based epoxy, MPI #115.
   c. Topcoat: Water-based epoxy, MPI #115.

Steel Substrates:

7. Institutional Low-Odor/VOC Latex System: MPI INT 5.1S.
   a. Prime Coat: Rust-inhibitive primer (water based). (Omit for shop primed items.)

8. Water-Based Dry-Fall System for Exposed Steel Deck, Joists and Framing (over shop applied Q.D. shop primer): MPI INT 5.1CC.
   b. Topcoat: Latex dry fog/fall (semigloss).

Galvanized-Metal Substrates:

9. Institutional Low-Odor/VOC Latex System: MPI INT 5.3N.

LEED Considerations:

Credit EQ 4.2: For paints, including printed statement of VOC content.