

SECTION 09650 – RESILIENT FLOORING

PART 1 GENERAL

GENERAL REQUIREMENTS

Slip Resistance: Flooring, after application of specified finishes, shall be laboratory or field tested in accordance with ASTM C1028 to verify that it has required minimum wet and dry coefficient of friction for both level and ramped surfaces. Completed work shall have a coefficient of friction that meets ADA requirements.

Existing Conditions:

Coordinate requirements for mock-ups and submittals with Project Manager.

Removal or encapsulation of existing tile containing asbestos shall be coordinate with Project Manager and conform to hazardous material procedures in Division 1.

Special patterns and layouts shall be shown on the Drawings.

Unless specifically requested, do not specify extra material.

GREEN BUILDING

All new construction and major renovations must meet the LEED equivalent certification standard and strive toward the Silver-equivalent rating.

This section may allow for LEED-CI v2.0 credit in the following categories: MR 1.2, MR 1.3, MR 2.1, MR 2.2, MR 3.1, MR 3.2, MR 4.1, MR 4.2, MR 5.1, MR 5.2, MR 6, MR 7, EQ 3.1, EQ 3.2, EQ 4.1, EQ 4.2 and ID 1. <http://www.usgbc.org/DisplayPage.aspx?CMSPageID=145>

PART 2 PRODUCTS

MATERIALS

Environmental Criteria:

Preference shall be given to rapidly renewable materials or products (materials or products made from plants that are typically harvested within a 10-year or shorter cycle).

At the discretion of the own linoleum tile or sheet flooring may consist primarily of renewable materials including linseed oil, cork flour, wood lour, pine rosin, and jute. Additional components may include inert fillers, pigments, or other secondary materials; however, the products should not contain synthetic latex, vinyl, or other thermoplastics or thermosetting plastics as backing or prefinished coatings.

To the extent feasible, linoleum products shall comply with the Hard Surface Flooring emission criteria defined in the GREENGUARD directory of low emitting interior products and building

materials, by Air Quality Sciences, Inc. <http://www.aqs.com/DesktopDefault.aspx>
<http://www.greenguard.org/>

Vinyl Composition Tile (VCT): Conform to ASTM F1066.

Minimum Thickness: 1/8 inch.

Color: Integral throughout with distinct pattern. Use of solid and light colored tile should be avoided.

Sheet Flooring:

Vinyl shall conform to ASTM F1913 and as described in the environmental criteria above.

Flooring at Laboratories, glass wash and other areas where liquids are used or stored shall be watertight and chemical resistant. Flooring shall be compatible with the chemicals to be used or stored.

Flooring shall be suitable for installation as a seamless floor with welded seams at all locations.

Self-coved based shall have cove filler strip backing.

Resilient Base: Conform to ASTM F1861, Type TS, vulcanized rubber or Type TP, rubber.

Avoid use of premolded pieces except at exposed ends.

Lengths: Roll type to allow for minimum number of joints.

Adhesives and Sealants:

The VOC content of adhesives, sealants and sealant primers must be less than the current VOC content limits of South Coast Air Quality Management District (SCAQMD) Rule 1168 and all sealants used as fillers must meet or exceed the requirements of the Bay Area Air Quality Management District Regulation 8, Rule 51. <http://www.aqmd.gov/rules/reg/reg11/r1168.pdf>
<http://www.baaqmd.gov/dst/regulations/rg0851.pdf>

Aerosol adhesives must meet the VOC limits of the "Green Seal Environmental Standard for Certification of Commercial Adhesives" (GS-36) of Green Seal, Inc.
<http://www.greenseal.org/certification/standards/commercialadhesives.cfm>

All adhesives, sealants and sealant primers must be free of the prohibited chemicals as defined in GS-36.

Water-resistant, as recommended by manufacturer of resilient flooring material for conditions of installation. Adhesive shall meet VOC requirements.

Waxes and Applied Finishes:

New Buildings: Contractors shall use Physical Plant Campus Services' current specified wax and no equal. Special restrictions on maintenance coatings for installed products shall be provided to Owner.

Renovations: Except for specialty coatings such as static control coatings, final waxing or finish will be provided and applied by Owner. Special restrictions on maintenance coatings for installed products shall be provided to Owner.

Edge Strips: Provide where resilient flooring terminates, exposing edge of covering, unless included as part of abutting floor material installation.

Other resilient flooring materials, including rubber and solid vinyl, shall be reviewed with Project Manager prior to selection for appropriateness and conformance with Project budget.

PART 3 EXECUTION

INSTALLATION

Comply, at minimum, with the linoleum manufacturer recommendations for space ventilation during and after installation.

For larger areas it is strongly encouraged that a supply of 100% outside air is provided during construction and for as long as possible following construction.

When installed over concrete slabs, verify compatibility of the linoleum and adhesives with curing compounds, leveling agents, or sealing agents used for slab preparation.

Comply with ASTM F710 and manufacturer's recommendations for surface preparation.

Concrete surfaces shall be subject to moisture content testing to determine the subsurface moisture content of the concrete slab to receive resilient flooring.

Flooring shall not be installed over substrates that exceed maximum moisture content allowed by manufacturer to effect required warranty.

Review alternative solutions and construction assemblies for concrete slab on grade to mitigate potential or tested moisture vapor problems including topical coatings, concrete additives, and below slab barriers.

Flooring shall fit tile neatly and tightly into breaks and recesses to fit within 1/64 inch of abutting surfaces.

Flooring shall extend under fixed base cabinets and floor-mounted cases.

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 09650