09 65 00

RESILIENT FLOORING

PART 1 - GENERAL

1.1 PURPOSE

A. This guideline is intended to provide useful information to the Professional Service Provider (PSP) to establish a basis of design. PSP is to apply the principles of this section such that the University of Texas at Arlington (UTA) may achieve a level of quality and consistency in the design and construction of their facilities. Deviations from these guidelines must be approved by UTA and may require justification through Life Cycle Cost (LCC) analysis and submitted to UTA for approval.

1.2 LESSONS LEARNED AND DESIGN CONSIDERATIONS

A. X

1.3 SECTION INCLUDES

A. Resilient sheet flooring.
B. Resilient base.
C. Installation accessories.

1.4 RELATED REQUIREMENTS

A. Section 03 30 00 – Cast-in-Place Concrete: Restrictions on curing compounds for concrete slabs and floors.
B. Section 09 05 61 – Common Work Results for Flooring Preparation: Independent agency testing of concrete slabs, removal of existing floor coverings, cleaning, and preparation.

1.5 REFERENCE STANDARDS

A. ASTM F1303 - Standard Specification for Sheet Vinyl Floor Covering with Backing; current edition.
B. ASTM F1861 - Standard Specification for Resilient Wall Base; current edition.

1.6 SUBMITTALS

A. See Division 01 for submittal procedures.
B. Product Data: Provide data on specified products, describing physical and performance characteristics; including sizes, patterns and colors available; and installation instructions.
C. Verification Samples: Submit two samples, 12 by 12 inch in size illustrating color and pattern for each resilient flooring product specified.
D. Concrete Testing Standard: Submit a copy of ASTM F710.
E. Certification: Prior to installation of flooring, submit written certification by flooring manufacturer and adhesive manufacturer that condition of sub-floor is acceptable.
F. Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning, stripping, and re-waxing.
G. LEED Report: Report recycled content and VOC emission of flooring; VOC content of adhesives.
H. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
   1). See Division 01 for additional provisions.
   2). Extra Flooring Material: 50 square feet of each type and color.
   3). Extra Wall Base: 200 of each type and color.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Field Conditions
   1). Maintain temperature in storage area between 55 degrees F and 90 degrees F.
   2). Store materials for not less than 48 hours prior to installation in area of installation at a temperature of 70 degrees F to achieve temperature stability. Thereafter, maintain conditions above 55 degrees F.

PART 2 – PRODUCTS

2.1 SHEET FLOORING

A. Vinyl Sheet Flooring: Color and pattern throughout wear layer thickness, with backing, and:

1). Minimum Requirements: Comply with ASTM F1303, Type II, with Class A fibrous backing.
2). VOC Content Limits: As specified in Division 01.
3). Total Thickness: 0.075 inch minimum.
4). Sheet Width: 72 inch minimum.
5). Seams: Heat welded.
6). Integral coved base with cap strip.
7). Manufacturer: As selected by Architect.
8). Pattern: As selected by Architect.

B. Rubber Sheet Flooring: Color and pattern throughout wear layer thickness, and:
1). Minimum Requirements: Comply with ASTM F1860, Type II, with Class A fibrous backing.
2). VOC Content Limits: As specified in Division 01.
3). Total Thickness: 0.08 inch minimum.
4). Sheet Width: 48 inch minimum.
5). Seams: Heat or Cold welded.
6). Integral coved base with cap strip.
7). Manufacturer: As selected by Architect.
8). Pattern: As selected by Architect.

C. Rubber Welding Rod: Solid bead in material compatible with flooring, produced by flooring manufacturer for heat or cold welding seams, and in color matching field color.

D. Vinyl Welding Rod: Solid vinyl bead produced by manufacturer of vinyl flooring for heat welding seams, in color matching field color.

2.2 TILE FLOORING

A. Vinyl Composition Flooring: Color and pattern throughout wear layer thickness, with backing, and:
1). Minimum Requirements: Comply with ASTM F1066, Class 1 and Class 2.
2). VOC Content Limits: As specified in Division 01.
3). Total Thickness: 0.125 inch thick.
4). Tile Size: 12 inch x 12 inch square.
5). Manufacturer: As selected by Architect.
6). Pattern: As selected by Architect.

B. Rubber Flooring: Color and pattern throughout wear layer thickness, with backing, and:
1). Minimum Requirements: Comply with ASTM F1344.
2). VOC Content Limits: As specified in Division 01.
3). Total Thickness: 0.125 inch thick.
4). Tile Size: 12 inch x 12 inch.
5). Manufacturer: As selected by Architect.
6). Pattern: As selected by Architect.

C. Luxury Vinyl Tile Flooring: Color and pattern throughout wear layer thickness, with backing, and:
1). Minimum Requirements: Comply with ASTM F1700.
2). VOC Content Limits: As specified in Division 01.
3). Total Thickness: Varies.
4). Tile Size: Varies.
5). Manufacturer: As selected by Architect.
6). Pattern: As selected by Architect.

2.3 RESILIENT BASE

A. Resilient Base: ASTM F1861, Type TS rubber, vulcanized thermoset; top set straight and coved as scheduled:
1). Height: 4 inch.
2). Thickness: 0.125 inch thick.
3). Finish: As selected by Architect.
4). Length: Roll.
5). Manufacturer: As selected by Architect.
6). Color: As selected by Architect.
7). Accessories: Pre-molded external corners and end stops.

2.4 ACCESSORIES

A. Subfloor Filler: White premix latex; type recommended by adhesive material manufacturer.
B. Primers, Adhesives, and Seam Sealer: Waterproof; types recommended by flooring manufacturer.
C. Moldings, Transitions and Edge Strips:
   1). Carpet to sealed concrete, resilient flooring/LVT to sealed concrete, terrazzo to concrete: Schluter Reno-Ramp.
   2). Other locations: Johnsonite Vinyl Reducer Strip. Refer to Sheet A8.30. Color selected by architect.
D. Filler for Coved Base: Plastic.
E. Sealer and Wax: Types recommended by flooring manufacturer.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that surfaces are flat to tolerances acceptable to flooring manufacturer, free of cracks that might telegraph through flooring, clean, dry, and free of curing compounds, surface hardeners, and other chemicals that might interfere with bonding of flooring to substrate.
B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive resilient base.
C. Cementitious Sub-floor Surfaces: Verify that substrates are dry enough and ready for resilient flooring installation by testing for moisture and pH.
   1). Obtain instructions if test results are not within limits recommended by resilient flooring manufacturer and adhesive materials manufacturer.
D. Verify that concrete sub-floor surfaces are dry enough and ready for resilient flooring installation by testing for moisture emission rate and alkalinity in accordance with ASTM F710; obtain instructions if test results are not within limits recommended by resilient flooring manufacturer and adhesive materials manufacturer.
E. Verify that required floor-mounted utilities are in correct location.

3.2 PREPARATION

A. Remove sub-floor ridges and bumps. Fill minor low spots, cracks, joints, holes, and other defects with sub-floor filler to achieve smooth, flat, hard surface.
B. Prohibit traffic until filler is fully cured.
C. Clean substrate.

3.3 INSTALLATION

A. Starting installation constitutes acceptance of sub-floor conditions.
B. Install in accordance with manufacturer's written instructions.
C. Spread only enough adhesive to permit installation of materials before initial set.
D. Fit joints and butt seams tightly.
E. Set flooring in place, press with heavy roller to attain full adhesion.
F. Where type of floor finish, pattern, or color are different on opposite sides of door, terminate flooring under centerline of door.
G. Install edge strips at unprotected or exposed edges, where flooring terminates, and where indicated.
H. Scribe flooring to walls, columns, cabinets, floor outlets, and other appurtenances to produce tight joints.

3.4 SHEET FLOORING

A. Lay flooring with joints and seams parallel to longer room dimensions, to produce minimum number of seams. Lay out seams to avoid widths less than 1/3 of roll width; match patterns carefully at seams.
B. Seams are prohibited in bathrooms, kitchens, toilet rooms, and custodial closets.
C. Seal seams by heat welding where indicated.
D. Lay flooring with tightly butted seams, without any seam sealer unless otherwise indicated.
E. Double cut sheet; provide heat welded seams.
F. Coved Base: Install as detailed on drawings, using coved base filler as backing at floor to wall junction. Extend sheet flooring vertically to height indicated, and cover top edge with metal cap strip.

3.5 RESILIENT BASE

A. Fit joints tightly and make vertical. Maintain minimum dimension of 48 inches between joints.
B. Miter internal corners. At external corners, use pre-molded units. At exposed ends, use pre-molded units.
C. Install base on solid backing. Bond tightly to wall and floor surfaces.
D. Scribe and fit to door frames and other interruptions.

3.6 CLEANING

A. Remove excess adhesive from floor, base, and wall surfaces without damage.
B. Clean in accordance with manufacturer's written instructions.

3.7 PROTECTION

A. Prohibit traffic on resilient flooring for 48 hours after installation.

END OF SECTION