# Campus Design Standards

## 09600 – Interior Flooring

![University of San Diego]

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<th>Department</th>
<th>Name</th>
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University of San Diego – Design Standards Manual

09600 – Interior Flooring

Introduction

University Design Standards encourage the use of high-performing flooring materials that have ease of maintenance. The various types of acceptable flooring are carpet tile (preferred to broadloom), wood flooring, ceramic tile, stone and resilient flooring. University Standards for carpet include Bigelow, Mohawk, Collins and Aikman or approved equal.

Carpet colors are to be of a serviceable mixture within the USD Design Standard palette. Multi-colored combinations or monochromatic color combinations are encouraged in high-traffic areas. Solid color carpeting is not preferred. Carpet that is of the same style/color, but from different dye lots or manufacturing dates, must be able to be merged or used interchangeably. Non-toxic adhesives are to be used for carpet installations. Carpet is to be direct-glue down, with exception of Residence Halls where it is over 16 lb, felt pad. Noise-sensitive areas may require additional sound attenuation measures – confirm with Project Manager.

Contacts

1. The Project Manager (Planning, Design and Construction)

Index of References

1. USD Master Plan Design Guidelines

Appendix 1.1

Code/Sustainability References

1. California Building Code
2. LEED Silver (Pursuit of certification on a project by project basis)
3. Building Energy Efficiency Standards
4. California Fire Code
5. ANSI

Interior Flooring Guidelines

The Designer should be aware of Building Code/LEED requirements for minimizing the volatile off-gassing compounds (VOC’s) in flooring finish products and should specify accordingly. There should be some form of wall base at all interior areas, compatible with floor finish: tile, stone, wood, rubber – Designer to confirm with Project Manager.

1. Laboratories – Chemically resistant coved flooring with level surface and no drains, unless required for safety showers
2. Restrooms – Ceramic tile with colored grout or resilient flooring
3. Stairs – Per code/ADA, the use of a contrast strip is required for stair visibility. For interior applications, these should be utilized on the top and bottom stair of each run. Additionally,
complementary wall base colors should be considered when implementing these flooring systems.

4. Housing (Durable finish) – Wood strip vinyl flooring, carpet tile
5. Carpet Tile is to be used in all carpeted areas not requiring upholstery work
6. Broadloom Carpet is to be used in areas requiring upholstery work such as stairs or tiered classrooms

Types of Interior Flooring

1. Carpet tile
   a. Face Construction: Tufted or Multi-level Loop
   b. Face Fiber: 100% Premium branded Nylon by Invista, Solutia and Aquafil, type 6 and type 6.6 nylon. All fibers must have a modification ratio of 2.5 or less. Fibers extruded by carpet mills will be considered “unbranded” and not allowed by purposed of the University Design Standard.
   c. Gauge: Minimum 1/10”
   d. Dye Method: Yarn, 100% Solution Dyed
   e. Patterning: Integrated (topical application not permitted)
   f. Soil/Stain Resistance: tbd
   g. Anti-microbial: tbd
   h. Recycled Content: tbd
   i. Primary Backing: Non-woven primary backing, 100% recyclable
   j. Tile Size: 19.69 in. x 19.69 in. (50cm x 50cm) or larger

2. Broadloom Carpet
   a. Face Construction: Tufted Level Loop
   b. Face Fiber: 100% Premium branded Nylon by Invista, Solutia and Aquafil, type 6 and type 6.6 nylon. All fibers must have a modification ratio of 2.5 or less. Fibers extruded by carpet mills will be considered “unbranded” and not allowed by purposed of the University Design Standard.
   c. Gauge: 1/10”
   d. Dye Method: Yarn, 100% Solution Dyed or combination
   e. Patterning: Integrated (topical application not permitted)
   f. Yarn Weight: 24 oz./yd.
   g. Soil/Stain Resistance: tbd
   h. Anti-microbial: tbd
   i. Recycled Content: tbd
   j. Primary Backing: Plain weave that offers dimensionally stable foundation for superior tuft ability and pattern definition, strength, moisture resistance and durability.
   k. Width: 12 or 12.6 feet

3. Wood flooring
   a. Species: Oak, u.o.n.
   b. Stain: medium walnut
c. Finish: satin
d. Pattern: parquet, herringbone or approved alternate
e. Wall Base: 4"-6" high Mahogany wood- stained to match flooring

4. Ceramic Tile
   a. Grout type: sanded
   b. Grout thickness: tbd

5. Stone:
   a. Marble
   b. Medallion Inset

6. Terrazzo

7. Quarry Tile

8. Resilient Flooring
   a. VCT
   b. Vinyl
   c. LVT
   d. Electro-static as needed

9. Specialty Flooring
   a. Epoxy
   b. Raceway Flooring: DIRT, or approved equal
   c. Gym Flooring
      i. Mondo Athletic Flooring, or approved equal -- wood sprung impact flooring
   d. Stained or Integral Concrete
   e. Kitchens
      i. Eco-Grip Slip Resistant Safety Flooring

10. Wall Base: 4" coved base, to match flooring, unless otherwise approved

Requirements for As-Built Drawings

Prior to the completion of construction and occupancy, the flooring subcontractor is required to provide the Project Manager a detailed schedule of materials used in each space of the project, including the manufacturer, supplier, color name and number, pattern and size applied. An electronic version of the final room flooring schedule is to be provided as part of the “as-built” documentation for the project. See Appendix 1.2 for Documentation and Archiving.

Attic stock of 10% is to be provided for each flooring material type. Coordinate with Project Manager for location of storage.
Reference Photos

A. Beyster Institute for Nursing Research

Cut Marble Medallion – Ceramic Tile with Border

Wood Flooring - Herringbone Pattern
B. Camino/Founders

Wood Floor – Parquet Pattern 8”x8” custom cut

Quarry Tile and Carpet Tile
C. Hughes Administration

Marble Tile
D. Kroc Institute for Peace and Justice

Terrazzo Medallion
+ Mosaic Stone

E. Belanich Engineering Center

Terrazzo Flooring with Pattern and Border Striping
F. Manchester Hall

Ceramic Tile with Cut Marble Medallion

G. Mother Rosalie Hill Hall

Ceramic Tile with Border and Pattern
H. Student Life Pavilion

Ceramic Tile with Cut Tile Medallion and Pattern

I. Warren Hall

Ceramic Tile with Stone Medallion

J. University Center

Ceramic 2"x2" Mosaic Tile