

Division 09 | Finishes

Section includes various guidelines for finishes, gypsum board, tiling, ceiling material and treatment, flooring, and wall finishes.

This design guideline is written to the designer of record (DOR). This guideline is written to document UA standards of work, assist the designers in ensuring UA standards are incorporated into the contract documents and provide a resource to facilitate the design process. It is the designer of record's responsibility to coordinate the criteria set forth in design guideline and in conjunction with the manufacturer requirements and use the most stringent standard.

Section 09 20 00 – Plaster and Gypsum Board

General

1. Standard thickness for gypsum board to be 5/8 thick.
2. Provide 5/8" gap between bottom of gypsum board and floor at all partitions.
3. Where heavy traffic and abuse is anticipated, use impact resistance board.
4. For ceramic tile installation, use cement backer board.
5. Exterior gypsum board for soffits is not acceptable.
6. Avoid flush conditions where lay-in ceilings abut vertical bulk heads. Off-set ceiling a minimum of 1/2".
7. Avoid flat surfaces on top of exposed bulk heads.
8. Provide 1/4" caulk joint between gypsum board and door/window frames at interior locations of head, jamb and sill.
9. Provide control joints in the following applications:
 - A. Where a partition, turring or column fireproofing abuts a structural element (except for a floor) or dissimilar wall or ceiling.
 - B. Where a ceiling or soffit abuts a structural element, dissimilar wall or partition, or other vertical penetration
 - C. Where construction changes within the plane of the partition or ceiling.
 - D. Where a partition or furring run exceeds 30 feet.
 - E. Where ceiling dimensions exceed 50 feet in either direction with perimeter relief, or 30 feet without relief.
 - F. Where exterior soffits and ceilings exceed 30 feet in either direction.
 - G. Where wings of L, U, and T shaped ceiling areas are joined.
10. Control joints in partitions should extend to the ceiling structure centered on top of the frame.

11. Control joints in ceilings should be located to intersect column penetrations, light fixtures and air diffusers that can impose stresses on the ceiling.
12. The ratio length to width in ceiling are should be in the range of 1:1.
13. A control joint in a partition should extend through a bulkhead/soffit condition.
14. All control joints shall be painted to match adjacent surfaces.

Labeling

Fire Rated and Smoke Partitions: All fire rated and smoke partitions shall be labeled with uppercase lettering a minimum of 4" high and in red color. Fire rated partition labeling shall include the partition's hour rating.

Section 09 51 00 – Acoustical Ceilings

General

1. Acoustical mineral fiber ceiling tile shall be rated as a Class A Interior Finish according to the following flame spread tests: Federal Spec. SS-S-118B, ASTM E-84 (0-25) (Flame Spread Index), and ASTM E-1264.
2. Suspension System shall be an intermediate duty with an exposed "tee". The components will be die cut and interlocking, meeting ASTM C635 flame spread tests.

Products

1. Acceptable manufacturers for acoustical tile are:
 - A. Armstrong World Industries
 - B. USG Ceilings
 - C. Celotex Corporation.
2. Acceptable manufacturers for suspension systems are:
 - A. Armstrong World Industries, Inc. (Formally National Rolling Mills, Inc.)
 - B. Chicago Metallic Corporation
 - C. Donn Corporation.

Note: During the project design, the designer shall submit suggested ceiling tile and grid product to be used for UA approval.

Execution

1. When installing new ceiling tile, 24"x24"x5/8" lay-in tiles shall be used.
2. The use of 24"x48" ceiling system shall be avoided and **only** used when needed to match existing ceiling system.

3. Tegular edged ceiling is preferred.
4. The grid system shall be 15/16" in size with a white finish (for standard use.)
5. Where a ceiling tile upgrade has been approved by Facilities Planning, the grid system shall be 9/16" in size with a white finish.
6. Where hold-down clips are necessary by code, they shall be concealed.
7. Where patterned ceiling tiles are used, the Designer shall provide custom ceiling tiles, where needed, at ceiling tile penetrations to eliminate "mouse holes" around penetrations.
8. All tie wires for suspension systems shall be continuous.
9. At drywall bulkhead conditions, offset the acoustical lay-in ceiling grid a minimum of 1 ½" above the bottom of the bulkhead.

Section 09 65 00 – Resilient Flooring

General

1. Resilient Flooring shall be rated as a Class I Interior Floor Finish according to the NFPA 101 Life Safety Code, having passed the ASTM E-648 Flooring Radiant Panel Test with a minimum critical radiant flux of 0.45 watts per square centimeter.
2. Resilient Flooring must have passed the NBS Smoke Density Chamber ASTM E-662 test with a maximum optical density of 450 or less.

Products

1. Vinyl Seamless Flooring shall be homogenous, heat welded and generally shall be one of three manufacturers:
 - A. Medintech, as manufactured by Armstrong (125 PSI).
 - B. Novaplan, as manufactured by Novalis Innovative Flooring.
 - C. Bio-Spec, as manufactured by Mannington Commercial (125 PSI).
2. Rubber Seamless Flooring shall be homogeneous, heat welded and generally shall be one of the following manufacturers:
 - A. Novaplan, as manufactured by Novalis Innovative Flooring.
 - B. Comfortech, as manufactured by Flexco.

Execution

1. Vinyl Seamless Flooring is preferred choice for labs.
 - A. If infectious disease control is a consideration for selecting vinyl seamless flooring, the base shall be turned up the wall to form a standard 4" base.
 - B. Leveling compounds, as recommended by the flooring manufacturer, shall be used prior to installation to ensure a level floor.



Section 09 65 13 – Rubber Base

General

Rubber Cove Base shall be in minimum compliance with ASTM F-1861, TP, Group 2, and Style B.

Products

1. Rubber Cove Base shall be standard 4" high (6" high will be accepted if approved by UA Furnishings & Design Department) with standard 5/8" "curved toe".
2. Avoid use of "straight toe" base.
3. Rubber Cove Base shall be installed from coils not less than 100'-0" long. 4'-0" sections are not acceptable.
4. Rubber Cove Base shall be installed with rolled material, scored on the back. Inside corners shall be mitered inside or coped. Corners must meet the same height requirements as rubber cove base. Pre-molded base corners are not acceptable.
5. Acceptable Manufacturers:
 - A. Flexco
 - B. Johnsonite
 - C. Nora

Execution

Maintain single rubber cove base color throughout all common areas and enclosed suites.

Section 09 65 19 – Resilient Tile Flooring

General

1. Luxury Vinyl Tile is the preferred choice for corridors and classrooms.
2. Pre-molded base is the preferred choice for corner installation in lieu of rolled material.
3. Resilient Flooring shall be rated as a Class I Interior Floor Finish according to the NFPA 101 Life Safety Code, having passed the ASTM E-648 Flooring Radiant Panel Test with a minimum critical radiant flux of 0.45 watts per square centimeter or more.
4. Resilient Flooring must have passed the NBS Smoke Density Chamber ASTM E-662 test with a maximum optical density of 450 or less.

Products

1. Vinyl Composition Tile shall be 1/8" gauge, 12" x 12" in size and generally shall be one of two manufacturers and colors:
 - A. Armstrong Standard "Excelon"
 - B. Tarkett "Expressions"



Section 09 68 00 – Tile Carpeting

General

1. Carpet tiles shall be in compliance with the following:
 - A. Carpet Tiles shall be rated as a Class I Interior Floor Finish according to the NFPA 101 Life Safety Code, having passed the ASTM E-648 (NFPA-253) Flooring Radiant Panel Test with a minimum critical radiant flux of 0.45 watts per square centimeter.
 - B. Carpet Tiles must have passed the NBS Smoke Density Chamber ASTM E-662 text (NFPA-258) with a maximum specific optical density of 450 or less.
 - C. Carpet Tiles must have passed the DOC-FF-1-70 Methenamine Pill Test.
 - D. Carpet Tiles must have passed the AATCC-134 Electrostatic Propensity Test, generating no more than 3.5 KV at 70 degrees Fahrenheit at 20% Relative Humidity.

Products

1. Carpet Tiles Approved Products:
 - A. Mannington (www.manningtoncommercial.com)
 - B. Shaw Contract (www.shawtile.com)
 - C. Milliken Carpets (www.millikencarpetsamplestudio.com)
 - D. Interface Commercial Carpet (www.bpsifs.com)
 - E. Bentley Prince Street (www.bpsifs.com)
2. The backing on Carpet Tiles shall be manufacturers' standard antimicrobial cushion back or fiberglass-reinforced thermoplastic.
3. Fiber content of Carpet Tiles shall be 100% Type 6,6 Nylon.
4. Face weight of Carpet Tiles shall be no less than 26 ounces per square yard and the gauge no less than 1/10 without prior approval from the Furnishing and Design Department.

Execution

1. Generally, Carpet Tiles shall be used in public areas, computer labs where raised floors are required, offices and corridors.
2. Carpet Tiles may be any of the manufacturer's standard sizes of 18"x18", 24"x24" or 36"x36".
3. Carpet Tiles shall be installed according to the manufacturer's recommendations regarding squareness, locations of working chalklines and proper amount of pressure sensitive adhesive.
4. Pattern installation method must be approved by UA Furnishings and Design.
5. Carpet Tiles shall be installed in accordance with the Standard for Installation of Commercial Carpet (CRI 104-1996) as published by the Carpet and Rug Institute, Inc.



6. Always use Water Soluble Glues

Cleaning Methods

The Carpet Tiles and installation shall be suitable for maintenance by vacuuming with a vacuum cleaner with a cylindrical rotating beater brush; shampooing by wet extraction equipment using a cylindrical rotating brush with warm water; and carpet shampoo and shampooing with dry chemical methods.

Section 09 72 00 – Wall Coverings

General

1. Wall covering shall be in compliance with the following:
 - A. Vinyl Wall covering shall be rated as a Class A Interior Finish in accordance with ASTM-E84 Tunnel Test with a flame spread index of 0-25 and smoke development value not exceeding 450.
 - B. Vinyl Wall covering must pass physical requirements for Type II vinyl coated fabric for institutional or commercial use as listed in Federal Specification CCC-W-408A.

Products

Products shall be determined for specific projects.

Execution

1. Walls shall be prepared prior to installation with primer recommended by the manufacturer.
2. Adhesive recommended by the manufacturer shall be used.
3. Heavily textured and embossed patterns should be avoided.
4. Vinyl Wall covering should never be installed on exterior walls unless it has been modified by the manufacturer to allow for exterior wall application. Please note: approval must be obtained by UA Furnishings and Design.
5. Corner guard protection is required on outside corners where Wall covering is located in areas of high traffic use.

Section 09 98 16 – Broadloom Carpet

General

1. Broadloom carpet is to be used sparingly and only when the installation location dictates it. Use of broadloom carpet must be approved by UA Furnishings and Design.
2. Broadloom carpet shall be in compliance with the following:
 - A. Carpet shall be rated as Class I Interior Floor Finish according to the NFPA 101 Life Safety Code, having passed the ASTM E-648 (NFPA-253) Flooring Radiant Panel Test with a minimum critical radiant flux of 0.45 watts per square centimeter.

- B. Carpet must have passed the NBS Smoke Density Chamber ASTM E-662 test (NFPA-258) with a maximum specific optical density of 450 or less.
- C. Carpet must have passed the DOC-FF-1-70 Methenamine Pill Test.
- D. Carpet must have passed the AATCC-134 Electrostatic Propensity Test, generating no more than 3.5 KV at 70 degrees Fahrenheit at 20% Relative Humidity.

Products

- 1. Approved Manufacturers:
 - A. Mannington Commercial (www.manningtoncommercial.com)
 - B. Shaw Contract (www.shawcontractgroup.com)
 - C. Milliken Carpets (www.millikencarpetsstudio.com)
 - D. Bentley Prince Street (www.bpsifs.com)
- 2. Fiber content of Carpet shall be 100% nylon.
- 3. Face weight of Carpet shall be no less than 26 ounces per square yard and the gauge no less than 1/10 without prior approval from the UA Furnishing and Design Department.
- 4. Carpet backing to have moisture resistant & mildew resistant impermeable membrane.

Execution

- 1. Generally, tufted/loop or cut/loop mixture carpet shall be used in public areas, offices and corridors.
- 2. Plush pile carpet should be used only in special areas, such as executive offices, which can be cleaned by methods other than the wet method. The use of plush pile carpet must be approved by the UA Facilities Division prior to specifying.
- 3. Installation shall be direct glue down, using the manufacturer's recommended adhesive and installation recommendation regarding amount of glue.
- 4. Carpet shall be installed in accordance with the Standard for Installation of Commercial Carpet (CRI 104-1996) as published by the Carpet and Rug Institute, Inc.

Cleaning Methods

The carpet and carpet installation shall be suitable for maintenance by vacuuming with a vacuum cleaner with a cylindrical rotating beater brush; shampooing by wet extraction equipment using a cylindrical rotating brush with warm water; and a carpet shampoo with dry chemical methods.

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