

**09 50 00 CEILINGS**

**09 51 23 ACOUSTIC TILE CEILINGS**

1. Gypsum panels are preferred; acoustic tiles are acceptable alternatives:
  - i. Acoustic Tile:
  - ii. Mineral fibre panel, medium texture white.
  - iii. Noise Reduction Coefficient (NRC) designation of 0.70 typical (0.55 minimum).
  - iv. Ceiling Attenuation Class (CAC rating 0 (35 minimum).
  - v. Light Reflectance (LR) of minimum 0.84.
  - vi. No Formaldehyde products will be accepted
  - vii. Products – Preferred:
    - a. Armstrong – School Zone Fissured, 19mm thick, no added formaldehyde.
    - b. CGC – Radar ClimaPlus high NRC.
  - viii. Products – Acceptable (with budget constraints and if not in conflict with LEED certification):
    - a. Armstrong Fine Fissured, 16mm thick.
    - b. CGC – RDAR ClimaPlus.
    - c. Armstrong Dune.
2. Wet Labs- When acoustic tiles are used in wet lab applications materials shall confirm with the Canadian Biosafety Standard Level 2 environment requirements. Specifically materials shall be cleanable and non-absorbent.

**09 53 00 ACOUSTICAL CEILING SUSPENSION ASSEMBLIES**

**09 53 23 METAL ACOUSTICAL CEILING SUSPENSION ASSEMBLIES**

1. Provide adequate access to utilities above suspended ceilings. Ventilate ceiling spaces as required.
2. Metal T-bar suspension systems and acoustic tile units:
  - i. Prefinished baked enamel; white.
  - ii. Typical: 610x1220mm grid with 15/16" reveal.
  - iii. Custom: only where necessary to match existing layout or areas designed for enhanced architectural appeal, 610x610mm grid; regular or square lay-in; white, or other system to suit application.
  - iv. Duty: intermediate for typical ceiling tile (mineral fibre. Heavy duty for wood or GWB panels.).
  - v. Products: Armstrong Prelude; Donn; approved equivalent.

**09 54 00 SPECIALTY CEILINGS**

1. Specify water resistant and washable ceiling surfaces in high humidity spaces (food preparation, showers, washrooms, etc.).
2. Provide mould resistant and anti-microbial treated products where suitable such as high moisture locations, food service areas, etc.

**09 60 00 FLOORING**

**09 60 01 GENERAL FLOORING SELECTION CONSIDERATIONS & STANDARDS**

The University has standardized flooring finishes by building across campus. This information is contained in the Building Finishes Standard and provides details on flooring product by manufacturer, type, pattern and colour and is available upon request from FMGT Manager Interior Modification Services.

Flooring standards are to be maintained for each building. If a flooring product is discontinued or not identified in the Building Finishes Standard consultant must coordinate with FMGT Manager Interior Modification Services in order to change or add new product to the Building Finishes Standard.

1. Carpet Tile (Refer to Section 09 68 00 Carpeting)
  - i. Classrooms
  - ii. Lecture Halls
  - iii. Computer Labs
  - iv. Seminar Rooms
  - v. Office Spaces
  - vi. Housing – Corridors
  - vii. Meeting and Conference Rooms
  - viii. Library
  
1. Ceramic Tile (Refer to Section 09 30 00 Tiling)
  - i. Lobbies and Entryways (extend minimum 10m from entrances)
  - ii. Washrooms, Change Rooms and Shower Rooms w/waterproof membranes (slip retardant)
  - iii. Food Service Spaces – Cafeteria and Kitchens (slip retardant)
  - iv. Corridors - areas directly under water bottle stations or water fountains – transition strips to be aluminum
  
2. Linoleum (Refer to Section 09 65 Resilient Flooring)
  - i. Corridors (dry areas only)
  - ii. Classrooms (dry areas only)
  - iii. Library (dry areas only)
  
3. Sheet Vinyl (Refer to Section 09 65 00 Resilient Flooring)
  - i. Washrooms, Change Rooms and Shower Rooms (small) w/flash coving (slip retardant)
  - ii. Laboratories (dry, wet and/or chemical exposure) w/flash coving – consider all laboratories to be wet with chemical exposure (slip retardant)
  - iii. Janitorial / Utility (wet and chemical exposure) w/flash coving (slip retardant)
  - iv. Lounges (slip retardant)
  - v. Food Service Spaces – Cafeteria (slip retardant)
  - vi. Corridors - areas directly under water bottle stations or water fountains – transition strips to be aluminum (slip retardant)
  - vii. Ramps (slip retardant)
  - viii. Heavy traffic areas (slip retardant)
  
4. Acoustic Vinyl Plank
  - i. Housing – Dorms, Corridors & Lounges
  - ii. Lounges
  - iii. Library
  - iv. Corridors
  - v. Office Spaces

5. Poured Epoxy
  - i. Commercial Kitchens
  - ii. Washrooms, Showers and Change Rooms
  - iii. Laboratories
6. Polished Concrete / Terrazzo
  - i. Lobbies and Entryways
  - ii. Corridors
7. Hardened and Sealed Concrete
  - i. Mechanical, Electrical and Service Spaces
  - ii. Janitorial / Utility
  - iii. Engineering Laboratories, Testing Spaces
  - iv. Equipment Rooms
  - v. Trades Shops

#### Matting

1. Walk-off Entry Mats
  - i. Institutional Grade
  - ii. Extend min. 4m from entrances on slip-resistant surfaces and 6m on slippery floors.
    - a. Matting shall be installed on flush floor; mat wells (depressions) are not acceptable.
    - b. Acceptable products: min. 7.94mm thick; nylon polypropylene; vinyl backed, heavy edged and containing min. 30% recycled material:
      1. 3M Normafd 8850, or approved equivalent

#### 09 65 00 RESILIENT FLOORING

##### Sheet Linoleum 2.5mm thick – Resilient Sheet Flooring

1. Applicable areas: dry areas
2. Acceptable products or approved equivalent:
  - i. Marmoleum Real – by Forbo Flooring Systems.
  - ii. Linoleum Harmonium XF – by Tarkett / Johnsonite.

##### Sheet Vinyl – V1

1. Applicable areas: wet areas
2. Acceptable products or approved equivalent:
  - i. Tarkett iQ Optima or Granit (2.0mm homogenous).
  - ii. Armstrong – Connection Corlon, wearing surface: minimum 1.27 mm.
  - iii. Tarkett – Contract Plus, 2.0 Homogenous with PUR surface treatment.

##### Sheet Vinyl – V2 – Slip Retardant and Chemical Resistant

1. Applicable areas: wet and where chemical resistance is required
2. Acceptable products or approved equivalent:
  - i. Tarkett iQ Optima (GOOD chemical resistance).
  - ii. Tarkett Acczent – Glass or Steel – (EXCELLENT chemical resistance).

##### Sheet Vinyl – V3 – Slip Retardant

1. Applicable areas: wet areas
2. Acceptable products or approved equivalent:
  - i. Washrooms: Tarkett Safe-T Sheet.
  - ii. Food service, ramps, heavy traffic areas: Altro Designer 25.
  - iii. Showers: Tarkett Granit Multisafe and Altro Marine 20 – by Altro Floors
  - iv. Locker and Change Rooms: Tarkett Safe-T Sheet

#### Epoxy With Integrated Coved Base – Slip Retardant and Chemical Resistant

1. Applicable areas: wet areas and where chemical resistance is required

#### Rubber Wall Base

1. Rubber wall base is standard unless flash coving, tile or epoxy flooring has been indicated. Rubber wall base to be 101.6mm (4”).
2. Acceptable products or approved equivalent:
  - i. Johnsonite

#### Rubber Stair Treads, Stringers and Landings

1. Stair treads with integrated riser and contrasting inserts for the visually impaired. To be flexible rubber, with wire reinforced nose. Stringers to be rubber and match colour of treads and riser. Landings to be rubber and match pattern and colour of treads and riser. Transitions to carpet tile, resilient vinyl, tile, concrete, terrazzo, linoleum or other flooring types with rubber stair landings and/or treads must provide a transition strip that deals with the variance in thicknesses on a case by case basis.
2. Acceptable product or approved equivalent:
  - i. Johnsonite

#### Seams

1. Heated, welded, threaded in colour to match flooring.
2. Net Fit installation requires prior approval from owner (Proof of Certified Installers Required)
3. Guarantee –Five years on labour and materials

#### Transition and Reducer Strips

1. Transitions between carpet tile and resilient or plank vinyl can be Net Fit where there height is equal and product lines match.
2. Reducer strips: provide at all exposed edges of flooring materials. Where flooring terminates in a door opening, center reducer under door.
3. Transition strip preference is aluminum with rubber and vinyl an acceptable alternate.

### **09 68 00 CARPETING**

#### Carpet – General

Carpet tile is the preferred carpet product used on campus. Broadloom is not acceptable.

The University has standardized carpet tile by building across campus. This information is contained in the Building Finishes Standard and provides details on carpet tile product by manufacturer, type, pattern and colour and is available upon request from FMGT Manager Interior Modification Services.

Carpet tile standards are to be maintained for each building. If a flooring product is discontinued or not identified in the Building Finishes Standard consultant must coordinate with FMGT Manager Interior Modification Services in order to change or add new product to the Building Finishes Standard.

**09 70 00**      **WALL FINISHES**

**09 72 00**      **WALL COVERINGS**

Vinyl wall coverings and wallpaper are not acceptable.

**09 90 00 PAINTING AND COATING****09 91 00 PAINTING**

1. The design of all paint and coating systems, surface preparation and maintenance shall be in accordance with the Master Painter's Institute (MPI) – Architectural Painting Specification Manual (Latest Edition) for new surfaces, and the MPI Maintenance Repainting Manual (Latest Edition) for re-painting and previously un-coated surfaces.
2. For projects that contain both new and existing surfaces, specify both new and existing systems as necessary (i.e. INT 9.2B (new) and RIN 9.2B).
3. For existing surfaces, DSD values shall be evaluated and specified by the Consultant. Alternately, specify minimum system requirements (including prep, priming, sealing, etc.) as described by the MPI standard.
4. All paint systems shall be MPI “premium grade”. Other materials such as linseed oil, shellac, thinners, solvents, etc. shall be the highest quality product of an MPI listed manufacturer.
5. Approved Paint Manufacturers as per MPI approved products listings:
  - i. Preferred: General Paint, Cloverdale Paints
  - ii. Acceptable: Benjamin Moore, Pratt and Lambert

**09 91 13 EXTERIOR PAINTING**

## Metal Fabrications

1. Marine grade system, such as epoxy coat and aliphatic urethane topcoat.
2. Typical gloss level: semi-gloss for miscellaneous metals.

**09 91 23 INTERIOR PAINTING**

## Interior Walls and Ceilings

1. All areas: latex, MPI gloss level 3 “eggshell like”.
2. Laundry rooms, public wash / shower / bathrooms / prep areas: washable latex G5 (semi-gloss) finish.
3. Public change / wash / shower rooms and “clean” or “sanitary” areas such as food preparation and laboratory areas: epoxy (tile-like) MPI gloss level 5 (semi-gloss) finish.
4. Custodial closets:
  - i. Throughout: washable latex MPI gloss level 5 (semi-gloss).
  - ii. Behind and adjacent to floor sink: epoxy (tile-like) G5 (semi-gloss) finish. Extend:
    - a. Horizontally min. 200mm past the edge of floor sinks.
    - b. Vertically to min. height of 900mm.
5. Colours:
  - i. Student Family Housing only: Cloverdale 937-2W. Formula: B-3 C-25 I-0.05.

- ii. Academic Buildings: Confirm with FMGT Project Officer.
- c. Old standard – only to match existing: 937-2W
- d. New standard – typical: 8443 – Cloverdale

#### Doors, Frames, Trim and Sills

- 1. MPI gloss level 5 (semi-gloss) finish.

#### **09 97 13 EXTERIOR STEEL COATINGS**

- 1. Typical finishes for exposed (outdoor) metal fabrications:
  - i. Hot-dip galvanized.
  - ii. Stainless steel.
  - iii. Clear anodized aluminum.
- 2. Where painted assemblies are required, use durable factory finish (preferred), or a marine grade system:
  - i. Electrostatic painting.
  - ii. Factory pre-painted process.
  - iii. Epoxy coat and aliphatic urethane topcoat, marine grade system. For increased durability, consider galvanized steel for painted assemblies.

#### **09 97 23 CONCRETE AND MASONRY COATINGS**

##### Exposed Architectural Concrete

##### Anti-graffiti coating