

Part 1 General**1.1 Summary**

- .1 Unless otherwise indicated, follow the standards below when specifying ceramic tiling work. These standards are not intended to restrict or replace professional judgment.

1.2 Design Requirements

- .1 Ceramic tiles may be specified as wall finishes only in washrooms and shower rooms. See Special Building Areas - Washrooms for design requirements.
- .2 Ceramic tiles may be specified as flooring finishes in washrooms, janitor's closet, kitchen areas, entrance vestibules, lobbies, and hallways. The Design professional must verify the product compatibility with the usage and the context of the space.
- .3 All ceramic tile flooring shall have waterproofing and uncoupling membrane system installed underneath.
- .4 Do not request to the general contractor material surplus for replacement.

Part 2 Products**2.1 Sustainable Performance Requirements**

- .1 Products must be sourced following the hierarchy of sustainable performance requirements outlined in 01 60 00 – Product Requirements.

2.2 Ceramic Tiles

- .1 Shall be for intensive usage and shall have colors that have less tendencies to be discontinued and that are easy to match in the future.
- .2 Ceramic tiles for flooring finish shall have anti-slip texture.
- .3 Minimum acceptable ceramic sizes for flooring are 100 mm (4") x 100 mm (4"). For locations with small areas, the Design professional must verify the minimal sizes required to ensure slope towards the drain and can specify smaller sizes if required.
- .4 Minimum acceptable ceramic height for wall bases inside washrooms is 150 mm (6").
- .5 Avoid light color ceramic tiles for floors and wall bases.
- .6 Cove wall bases are preferred.

2.3 Ceramic Grout

- .1 For surfaces subject to heavy use or chemical exposure, such as washrooms and kitchen areas, shall be epoxy based stain-resistant and chemical-resistant grout, "Kerapoxy" from Mapei or approved equivalent.

- .2 For other surfaces, shall be cement based grout, “Keracolor” from Mapei or approved equivalent.
- .3 Grout at floor and wall base shall be medium to dark color.

2.4 Saddles

- .1 Saddles for accessible washrooms shall be sloped, the final height of the saddles shall be no greater than 6 mm from adjacent flooring finish to ensure easier transition for wheelchair. If 6 mm is not possible, the Code minimum shall be met.
- .2 Saddles for other types of spaces where there are no accessibility requirements shall be quartz or marble 16 mm thick with bevelled edges. Specify a color contrasting saddle from adjacent floor finish.
- .3 Saddles for janitor’s closet and kitchen areas shall be coordinated during the Design phase to ensure that its height would be suitable for equipment access and delivery.

2.5 Membrane System

- .1 Shall be an integrated membrane system that provide waterproofing and prevent cracking and delamination of tiled surfaces. Preferred products from Schluter or approved equivalent:
 - .1 “Ditra” for uncoupling and waterproofing membrane;
 - .2 “Kerdi-Band” for waterproofing strip to seal butt joints between membranes and floor/wall junctions;
 - .3 “Kerdi-Kereck” and “Kerdi-Kers-B” for preformed inside and outside corners at wall junctions
 - .4 “Dilex-EDP” for stainless steel surface joint profile;
 - .5 “Kerdi-Seal” for prefabricated seals for pipe protrusions;
 - .6 “Kerdi-Fix” for sealant and bonding compound;
 - .7 And other components that may be required depending on site conditions.
- .2 The floor drain shall be compatible with the membrane system and be coordinated with the mechanical engineer.

Part 3 Related Technical Sections

The technical sections of the McGill Building Design and Technical Standards should be consulted with the current document, most notably (but not limited to) the following:

Section Number	Title of Section
Special Building Areas	Washrooms
09 21 26	Gypsum Board Assemblies
10 21 20	Solid Plastic Toilet Partitions
10 28 10	Toilet and Bath Accessories

END OF SECTION