

1.0 **GENERAL**

1.1 **Related *Work and* UBC Guidelines**

- .1 Section 09 00 10 Finishes – General Requirements
- .2 *Section 09 21 16 Gypsum Board Assemblies*
- .3 *Section 09 22 16 Non-Structural Metal Framing*

1.2 **Related External Documents**

- 1. Latest edition of the Tile Installation Manual produced by the Terrazzo Tile and Marble Association of Canada (TTMAC).

1.3 **Description**

- 1. *Wall and floor tiling work including related accessories.*

1.4 **Coordination**

- .1 *The Guidelines apply to all work completed within buildings on both UBC Vancouver and UBC Okanagan campuses unless stated otherwise.*
- .2 *In instances where conflicts are found between these guidelines and provincial regulations or codes, please notify the UBCV Technical Review Team Architect or UBCO Facilities Management.*
- .3 *These guidelines are intended to be read by design consultants and their content integrated into construction drawings and specifications. Construction documents are not to reference the technical guidelines directly.*
- .4 *The Coordinating Registered Professional (CRP) is required to coordinate these requirements with other disciplines.*

1.5 **Submittals**

- .1 *Submit required documents to consultants in accordance with Section 013300 Submittal Procedures*
- .2 *Provide samples for colour selection only if it is a Construction Office project.*
- .3 *O&M Submittals*
 - .1 *Provide list of tile types and colours used, complete with manufacturer/distributor name for all products used.*
 - .2 *Environmental Product Declaration (EPD)*
 - .3 *Maintenance data for all tile selections.*
 - .4 *Warranties.*
 - .5 *Material Data and Safety Sheets (MSDS).*
 - .6 *Maintenance data including source for replacement.*

1.6 **Quality Control and Assurance**

- .1 **Quality Assurance**
 - .1 Whenever possible, obtain manufacturer extended warranties (Five- Year plus), generally available for larger tiled areas when manufacturer of tile-setting materials and accessories supplies all such materials and carries out inspections of the tile work installation.
- .2 **Quality Control**
 - .1 Tile installation shall be in strict accordance with the written instructions and recommendations of the tile manufacturer and related product manufacturers.

2.0 DESIGN AND PERFORMANCE REQUIREMENTS

2.1 *Design Requirements*

- .1 *Wall tile shall be glazed finish. Typical dimensions used on UBC's campuses are no larger than 300 mm x 300 mm, no smaller than 100 mm x 100 mm. Consult with the UBCV Facilities Technical Review Team Architect or UBCO Facilities Management if large-format tiles or mosaic tiles are being considered.*
- .2 Floor tile shall be slip-resistant.
- .3 Epoxy grouts introduce environmental risks and their use should be limited to areas that require the extra durability and ease of maintenance that these products offer.
- .4 Due to the toxic fungicide additives in mildew resistant sealant, its use should be limited to areas of constant moisture.
- .5 Products are to use non-toxic and non-specialized cleaning materials.

2.2 *Performance Requirements*

- .1 All tiles used in wet areas or entry areas to be non-slip with a static coefficient of friction of .60 or higher in accordance with ASTM C1028.
- .2 Ceramic tile must conform to the standards for stain resistance, crazing and thermal shock requirements when tested in accordance with CAN2-75.1-M77.
- .3 Concrete curing compounds, form oils and sealers may prevent adhesion: ensure proper preparation for tile work.

3.0 MATERIALS

3.1 *Product Selection*

- .1 *Wall and Floor Tile:*
 - .1 Floor tile to be slip resistant, always non-glazed.
 - .2 Wall tile shall be glazed finish.
 - .3 *Refer to 2.1.1 for tile dimensions preferred.*
 - .4
- .2 Divider strips *in tile flooring* shall be at a *sufficient depth, made of* zinc alloy, with non-corrosive anchors. Applicable at termination of tile flooring to other flooring finish. Set *divider strips at* centre of doors *with* top surface to be flush with finished floor.
- .3 Mortar shall be latex additive for thin-set mortar and latex grouts.
- .4 Epoxy grouts are required in all shower/change rooms, high traffic, and pools areas generally - confirm with manufacturer for pool water conditions. Other grout types may be required in special installations such as in laboratories and food services areas.

END OF SECTION