

PART 1 GENERAL

1.1 SECTION INCLUDES

- .1 Interior Floor Tile
- .2 Interior Wall Tile

1.2 REFERENCES

- .1 American Society for Testing and Materials (ASTM) – Latest Edition
 - .1 ASTM C119 Standard Terminology Relating to Dimension Stone
 - .2 ASTM C568/C568M Standard Specification for Limestone Dimension Stone
- .2 Terrazzo Tile and Marble Association of Canada (TTMAC) – Latest Edition
 - .1 Tile Specification Guide 09 30 00, Tile Installation Manual.
 - .2 Hard Surface Maintenance Guide.

1.3 SUBMITTALS

- .1 Submit four copies of the latest TTMAC Maintenance Guide for inclusion in the operations and maintenance manual prepared and submitted in Section 01 78 00 – Closeout Submittals.
 - .1 Give specific warning of any maintenance practice or materials that may damage or disfigure the finished work.
- .2 Submit product data [and WHMS MSDS] sheets for floor/wall sealer products.

1.4 QUALITY ASSURANCE

- .1 Installer to be company specializing in performing the work of this section with documented experience. Installer, if requested by consultant should be prepared to submit examples of previously completed projects of similar size and scope.
- .2 Conform to Terrazzo Tile & Marble Association of Canada (TTMAC): Tile Specification Guide – Latest Edition.

1.5 DELIVERY STORAGE AND HANDLING

- .1 Installer to coordinate deliveries with manufacturer.
- .2 On arrival, check all stone for damage and report to carrier, noting damage on delivery document.
- .3 Handle stone carefully.
- .4 Avoid chipping edges or corners.
- .5 Store materials in a dry area, protected from freezing, staining, and damage.
- .6 Store cementitious materials on a dry surface.

PART 2 PRODUCTS

2.1 MANUFACTURER

- .1 Limestone shall be Manitoba Tyndall Stone®, a medium density limestone per ASTM C119 and ASTM C568.
 - .1 Limestone shall be free from all defects which would affect appearance or durability.

- .2 Quarry seams shall be well back from finished face.
- .3 Fossils and other natural markings permitted only to the extent that they do not disfigure finished appearance. Loose or large white fossils not permitted.

2.2 TILE MATERIALS

- .1 Tyndall Stone tile for interior floor and wall.
 - .1 Dimensions: 297 mm x 597 mm x 10 mm thick.
 - .2 Finish: Rubbed, Honed, or Polished finish.
 - .3 Colour: Grey colour.

2.3 MORTAR MATERIALS

- .1 Installer to use non-staining, low alkali, white mortar.
- .2 Acceptable mortar products as per consultants & suppliers recommendation.

2.4 GROUT MATERIALS

- .1 Installer to use a non-sanded grout to avoid scratching tile surface.
- .2 Natural grout colour is recommended.

2.5 SEALER MATERIALS

- .1 Use a natural look impregnating/penetrating sealer where one wishes to preserve and dry to the natural appearance of the stone.
- .2 Acceptable impregnating/penetrating sealer products as per consultants & suppliers recommendations.

2.6 SUBSTRATE MATERIALS

- .1 Installer to use cement board for interior wall applications.
- .2 Installer to introduce a flexible membrane for interior floor applications.

2.7 ACCESSORIES

- .1 Conform to Terrazzo Tile & Marble Association of Canada (TTMAC): Tile Specification Guide – Latest Edition.

PART 3 EXECUTION

3.1 EXAMINATION

- .2 Verify that surfaces are ready to receive work.
- .3 Ensure substrate surfaces are clean, dimensionally stable, cured and free of contaminants such as oil, sealers and curing compounds.

3.2 PREPARATION

- .1 Protect surrounding work from damage or disfiguration.
- .2 Thoroughly clean existing surfaces that are to receive tile finish to ensure the removal of all grease, oil or dust film.

3.3 APPLICATION

- .1 Ensure tiles are completely dry prior to install.
- .2 Install with typical 3 mm tile joint.
- .3 Properly marry all joints where there is a transition in substrate materials.
- .4 Apply sealer according to manufacturer's instructions.

3.4 MORTAR

- .1 Mortar shall be applied at full screed on substrate.
- .2 Spot dabbing of mortar is not acceptable.

3.5 GROUTING

- .1 Allow proper setting time prior to grouting.
- .2 Pre-seal tiles to protect from grout staining.
- .3 Reapply same sealer as final sealing process once installation is finished.
- .4 Remove excess and polish with clean cloths.

3.6 CLEANING AND MAINTENANCE

- .1 Reapply sealer in accordance with manufacturer's instructions.
- .2 Wipe completed stonework clean with a damp cloth, preferably dry, or with minimum amount of clean water.
- .3 Do not use acids, or acidic, or alkaline cleaning compounds.

3.7 PROTECTION OF FINISHED WORK

- .1 Conform to Terrazzo Tile & Marble Association of Canada (TTMAC): Tile Specification Guide – Latest Edition.