

**PART 1 GENERAL**

**1.1 SECTION INCLUDES**

- .1 Ceramic tile floor base and wall finish using the thinset application method.

**1.2 RELATED SECTIONS**

- .1 Section 03300 – Cast in Place Concrete.
- .2 Section 09260 – Gypsum board assemblies: Wall substrate surface.

**1.3 REFERENCES**

- .1 ANSI A108.1 - Installation of Ceramic Tile with Portland Cement Mortar.
- .2 ANSI A108.10 - Installation of Grout in Tilework.
- .3 ANSI A118.4 - Latex-Portland Cement Mortar.
- .4 ANSI A118.6 - Ceramic Tile Grouts.
- .5 ANSI A137.1 - Standard Specifications for Ceramic Tile.
- .6 TTMAC (Terrazzo, Tile, and Marble Association of Canada) - Manual.

**1.4 SUBMITTALS**

- .1 Samples: Mount tile and apply grout on two plywood panels, 300 x 300 mm in size illustrating pattern, colour variations, and grout joint size variations.

**1.5 MAINTENANCE DATA**

- .1 Maintenance Data: Include recommended cleaning methods, cleaning materials, stain removal methods, and polishes and waxes.

**1.6 QUALITY ASSURANCE**

- .1 Conform to TTMAC Manual.

**1.7 QUALIFICATIONS**

- .1 Installer: Company specializing in performing the work of this section with minimum five years documented experience.

**1.8 DELIVERY, STORAGE, AND HANDLING**

- .1 Deliver, store, protect and handle products to site.
- .2 Protect adhesives from freezing or overheating in accordance with manufacturer's instructions.

**1.9 ENVIRONMENTAL REQUIREMENTS**

- .1 Do not install adhesives in an unventilated environment.
- .2 Maintain 10 degrees C during installation of mortar materials.

**1.10 EXTRA MATERIALS**

- .1 Provide sq m of each size, colour, and surface finish of tile specified.

**PART 2 PRODUCTS**

**2.1 TILE MATERIALS**

- .1 Ceramic Wall Tile (CT-1): Field Tile; Olympia Tile; Maple Leaf Series; #MLF 3010 c/w accessories; 4 1/4" x 4 1/4" Colour – White.
- .2 Ceramic Wall Tile (CT-2): Accent Tile; Olympia Tile; Maple Leaf Series; Glazed; #MLF 3510; c/w accessories; 4 1/4" x 4 1/4"; Colour – Lake Blue.
- .3 Provide bull nose edges on corners or where tile ends.

**2.2 BASE MATERIALS**

- .1 Base: refer to room finish schedule for base height and type of tile.

**2.3 MORTAR MATERIALS**

- .1 Acceptable Manufacturers:
  - .1 Laticrete
  - .2 Mapei
  - .3 Flextile
  - .4 C-Cure
- .2 Mortar Materials: ANSI A118.4 Latex Modified , Portland cement, sand, latex additive, and water.

**2.4 GROUT MATERIALS**

- .1 Acceptable Manufacturers:
  - .1 Laticrete
  - .2 Mapei
  - .3 Flextile
  - .4 C-Cure
- .2 Grout: ANSI A118.6, tile grout, colour as selected by the Contract Administrator.

**2.5 MORTAR AND GROUT MIX**

- .1 Mix and proportion pre-mix setting bed and grout materials in accordance with manufacturer's instructions.

**PART 3 EXECUTION**

**3.1 EXAMINATION**

- .1 Verify that surfaces are ready to receive work.

**3.2 PREPARATION**

- .1 Protect surrounding work from damage or disfiguration.
- .2 Vacuum clean surfaces and damp clean.
- .3 Seal substrate surface cracks with filler. Level existing substrate surfaces to acceptable flatness tolerances.
- .4 Apply sealer or conditioner to substrate surfaces in accordance with adhesive manufacturer's instructions.
- .5 Tape joints of cementitious backer board ceiling with mesh prior to applying tile.

**3.3 INSTALLATION - THINSET METHOD**

- .1 Install adhesive tile, and grout in accordance with manufacturer's instructions to TTMAC Manual.
- .2 Lay tile to pattern indicated. Do not interrupt tile pattern through openings.
- .3 Cut and fit tile tight to penetrations through tile. Form corners and bases neatly.
- .4 Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make joints watertight, without voids, cracks, excess mortar, or excess grout.
- .5 Sound tile after setting. Replace hollow sounding units.
- .6 Allow tile to set for a minimum of 48 hours prior to grouting.
- .7 Grout tile joints.

**3.4 CLEANING**

- .1 Clean tile and grout surfaces.

**3.5 PROTECTION OF FINISHED WORK**

- .1 Do not permit traffic over finished floor surface for 4 days after installation.

END OF SECTION