

SECTION 09 30 00

TILE

PART 1 GENERAL

1.01 QUALITY ASSURANCE

- A. Furnish tile conforming with Standard Grade requirements of ANSI 137.1
- B. Conform to Tile Council of America "Handbook for Ceramic Tile Installation" and ANSI A108, A118 and A136 as applicable.
 1. For kitchens that are "High Volume" kitchens which prepare food for multiple schools the TECH Power Grout shall meet ANSI A118.3.

PART 2 PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. Daltile
- B. Crossville
- C. American Olean
- D. Flordia Tile
- E. Arizona Tile

2.02 MANUFACTURERS

- A. Provide only domestically manufactured ceramic and quarry tiles.
- B. Provide tile-setting and grouting material as approved by tile manufacturers.

2.03 MATERIALS

- A. Tile Adhesive: Adhesives shall have a VOC content of 65 g/L or less.
- B. Unglazed Quarry Tiles:
 1. Composition: Non-abrasive smooth face quarry tile
 2. Module Size: 6 by 6 inches or larger
 3. Nominal Thickness: 3/8"
 4. Face: Plain w/relieved edges
- C. Floor Tile:
 1. Composition: Non-abrasive porcelain
 2. Module Size: 12 by 12 inches (or larger)
 3. Nominal Thickness: 1/4"
 4. Face: Plain with cushion edges
- D. Glazed Wall Tile:
 1. Composition: Ceramic
 2. Module Size: 4.25" x 4.25" or larger
 3. Nominal Thickness: 5/16"
 4. Face: Matte glaze finish, cushion edge

- E. Trim Shapes: Utilize Schluter trim wherever possible to reduce the use of tile trim pieces. Tile trim pieces may be required due to existing conditions in older buildings. For a complete installation, of same material, size, color and finish of field tile. Provide shapes from manufacturer's standards as follows:
 - 1. Wainscot Cap: Surface bullnose,
 - 2. Base: Butt Cove base
 - a) Provide a minimum of 6" butt cove base at all quarry tile flooring locations.
 - 3. In-Corner: Manufactured inside trim with coved base and cap angle pieces to match with stretcher shape.
 - 4. Out-Corner: Manufactured outside trim.
 - 5. Jamb: Surface bullnose where tile projects from jamb.
- F. Grouts:
 - 1. For all floors and walls: Epoxy grout (pigmented) or **TEC Power Grout**.
 - 2. Grout colors shall be white for wall tile and grey for floor tile where ceramic tile is used. For quarry tile- use only dark grout colors.
- G. Floor Leveling Compound: Multi-purpose acrylic latex admixture with a maximum depth of ¾" and a minimum compressive strength of 3700 psi. Complying with ASTM-C190, ASTM D-3931, ASTM C-109.
- H. Backing/Substrate material: use appropriate water resistant materials such as cement board.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Comply with manufacturers instructions and applicable ANSI standard installation specifications series A108, A118 and A136.
- B. Maintain minimum temperature limits and installation practices as recommended by proprietary mortar and grout materials manufacturer.
- C. Unless otherwise noted, lay tile in grid pattern. Align joints when adjoining tiles on floor, base, walls and trim are the same size.
- D. Provide joint width of 1/16" to 0.125" for ceramic tile, ¼" for quarry tile.
- E. Install tile per Tile Council of America methods appropriate to substrate.
- F. Provide expansion and control joints per Tile Council of America EJ171 and A3.4 of ANSI A1008 series.- use one-part pourable urethane sealants for expansion and control joints.
- G. Installation of floor tile over existing flooring of any type is prohibited, NO EXCEPTIONS.
- H. Top row of all wall tile shall have Schluter trim when not tiled to the ceiling.

END OF SECTION 09 30 00