



Tilt-Up Construction

This section is intended as an informational resource to aid in specifying TEC Products, Inc. Thin Brick.

TEC Products is a thin, extruded concrete brick used as a wall covering and providing the appearance of conventional brick masonry. TEC's brick can be either thin-set or mortar-set in the field using traditional tile setting and grouting methods or various types of panel systems.

TEC Products can be used on a variety of interior and exterior wall substrates such as concrete, concrete masonry unit (CMU), Gypsum sheathing, cementitious backer boards and plywood.

TEC Products can be used to shop or field fabricate a variety of modular wall panels with thin brick veneer.

NOTE: Code requirements for the installation of thin brick will vary from one municipality to the next. TEC Thin Brick should be installed according to ANSI standards and local codes as they apply. Use only reputable installers and the correct installation products to suit the application.

A typical specification to assure the use of TEC Products, Inc. Thin Brick on your next job should be written as follows:

- A. Thin Brick shall be "TEC Products Inc." as manufactured by TEC Products Inc., Hartland, WI 53029. Office 920-248-6279 email darvins@tecproductsinc.com
- B. The body composition shall be made of fine clean sand, Portland cement and integral coloring shall meet ASTM C-979 to produce a uniform dense body and comply with Precast/Prestressed Concrete Institute (PCI) standards for Concrete Thin Brick.
- C. Color shall be: _____
- D. Size shall be: _____
- E. Test results shall be available upon request.
- F. All bricks will be pre-blended and have a wax less surface cleaning application applied to the exposed brick surface that will reduce/prevent adhesion by surface concrete/mortar smears.
 - a. Clean with low pressure cold water. Some acid based cleaners will damage concrete. Typically, concrete brick must be cleaned with less aggressive cleaning agent than allowed on clay brick. Chemical cleaners containing hydrofluoric or muriatic acid **cannot** be used because it will result in etching and dissolution of units.
 - b. If cleaning is required, clean units as early as possible while the mortar/concrete is still fresh (7-14 days). Clean using Prosoco Sure Clean Custom Masonry cleaner or Eaco Chem NMD 80 and follow manufacturer's dilution ratios and application recommendations.
 - c. Bricks shall have a minimum of 6 small vertical adhesion bars "riblets" 1/8" tall x 3/4" wide 3/8" spacing between each rib placed symmetrically on the back of the brick.