

### Product Description

TCC® Tile Crete is a blend of cementitious materials and oven dried sand developed to produce a water resistant and highly bondable substrate. TCC® Tile Crete is pre-blended and produced in a manufacturing facility to optimize consistency from batch-to-batch. Just simply add water and mix to create an easy to apply underlayment. TCC® Tile Crete is used as a setting bed/underlayment for ceramic, mosaic, quarry and paver tile over concrete or wood subfloors and countertops. TCC® Tile Crete is also the ideal product for forming shower pans and curbs as well as installations requiring a slope to drain.

**Interior Applications:** TCC® Tile Crete Floor Underlayment Mix (101318•103503•108499), Fast-Set TCC® Tile Crete Floor Underlayment Mix (103240), TCC® Tile Crete Wall Mix (104498).

**Exterior Application:** TCC® Tile Crete Floor Underlayment Mix (103651) is a 3:1 mix used in conjunction with Akona® Mighty Bond® Liquid Bonding Agent.

### Applicable Standards

American National Standard for the installation of ceramic tile - ANSI A108.1, A108.4, 108.5 and 108.6.

### When/Where to Use

TCC® Tile Crete can be used for interior or exterior applications where a permanent, water-resistant surface is needed. Strength of the product increases during the initial 28 days.

### Advantages

- Regular or fast-setting underlayment material
- Easy to mix and handle
- Water-resistant
- Provides exceptional bonding surface
- Ideal for creating sloped floors or leveling floors

### Packaging

80 lb. bags (36.3 kg)

### Helpful Items:



### Typical Yield

80 lb. (36.3 kg) bag yields approximately 12 sq. ft. at ¾" thick.

### Mixing

Dry TCC® Tile Crete should be added to clean, potable water in the temperature range of 50°F to 80°F, at the rate of approximately 3 quarts per 80 lb. bag. Mix thoroughly until a consistent mix is obtained. Product consistency should resemble that of wet sand used to make sand creations (wet enough to make shapes but not so dry that it crumbles apart). Add additional water in small increments to reach this consistently if necessary. Discard mortar when initial set is reached.

### Surface Preparation and Application

For concrete flooring, surfaces must be clean of any foreign materials before covering. Saturate clean, smooth concrete with water immediately prior to placing TCC® Tile Crete. The surface shall be free of standing water. Apply TCC® Tile Crete over the concrete flooring surface to a uniform, dry pack consistency. Firmly tamp and screed the TCC® Tile Crete. The thickness should be between ¾" and 4" following recommendations of ANSI 108.1 for the specific intended application. In certain applications, it may be advisable to increase the adhesion of TCC® Tile Crete through the addition of Akona® Mighty Bond. Mix 1½ qts. of Mighty Bond with 1½ qts. of water per 80 lb bag of TCC® Tile Crete.

For showers, a minimum of 1¼" thick TCC® Tile Crete is required for shower receptors. Showers require a suitable waterproof membrane and reinforcement. Consult local building codes, ordinances and trade practices.

On wood floors and countertops, place a cleavage membrane such as 15 lb. roofing felt, or 5 mil polyethylene film. Reinforce with metal lath. Place reinforcing and TCC® Tile Crete over the membrane. Lap reinforcing at least one full mesh and support so that reinforcing shall be approximately in the middle of the TCC® Tile Crete. Reinforcing shall not butt against vertical surfaces. Tamp firmly and screed the TCC® Tile Crete level with proper slope to drain. TCC® Tile Crete shall be between ¾" and 4" thick.



### Forming a shower pan



**WARNING: INJURIOUS TO EYES!**

**KEEP OUT OF REACH OF CHILDREN!**

### Curing

Standard TCC® Tile Crete will obtain a minimum cure in 24-36 hours, depending on the ambient temperatures. Fast-Set TCC® Tile Crete will obtain a minimum cure in 2-4 hours, depending on the ambient temperatures. As with concrete, the strength increases significantly with age during the first 28 days.

### Warning

This product contains Portland cement. Contact with cement, freshly mixed concrete, or mortar can cause severe burns. The cementitious materials mixed onsite are alkaline in nature and on contact with water may irritate the eyes and skin. If contact with eyes occurs, flood eyes repeatedly with clean water and see a physician immediately. Do not rub eyes. Wash hands thoroughly after handling or before eating. Do not take internally. This product may contain silica. Inhaled silica dust may cause respiratory or other health problems.

### Warranty

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, express or implied, including, but not limited to, those including merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that, the sellers liability to the buyer at no point for any particular project shall exceed the total purchase price of said product.