

Product and Installation Specifications Information for: **Walker Zanger Roku Glass Collection**

INSTALLER - These guidelines are to be read in full prior to proceeding, and if you're unclear, contact your Walker Zanger Sale Representative for clarification prior to proceeding. These guidelines combined with a working knowledge of the most current copy of the TCNA Handbook are required for proper installation. www.tcnatile.com

This specification covers installation of glass tile in interior and exterior areas on floors, walls, swimming pools, fountains, showers and facades.

Installing glass tile involves some basic procedures that differ from installing ceramic tile or stone tile. Following these procedures will prevent simple mistakes that could result in the failure of the installation. The client must approve, at least, the first five square feet of INSTALLED TILE prior to the installer proceeding with the installation.

SUBSTRATE

Make sure that glass tile is installed over the proper substrate. This is one of the most important factors in ensuring a good installation.

Glass tile should be installed over a **clean, sound, and flat concrete substrate**, with a steel trowel and fine broom finish, free of contaminants including curing compounds.

Substrate should be free of cracks and in water areas should be waterproof. If necessary, use the installation material manufacturer's membrane for crack and water protection.

Glass tile is a reflective product; any inconsistencies in your substrate will show up after the tile is installed.

Approved surfaces for setting:

- Fully cured concrete substrate
- Properly installed cement backerboard
- Gypsum Board-ASTM C1396/C1396M/Dry Areas Only

Do not install glass tile on:

- Particleboard
- Chipboard
- Masonite
- Press Wood
- Plywood
- Asbestos Board

For pool and fountains we recommend installing a mortar bed according to the current edition of **TCNA P601**. (Walker Zanger does not recommend Roku mesh-backed tiles for pool interiors and water lines.) Prior to tile installation the **pool must be tented** to protect the installation process from the direct sunlight's increased temperatures. With continuous water immersion applications, minimum cure time after grouting is 21 days before filling with water.

SETTING MATERIALS

Glass tile is a very durable material but it is only as good as it is installed and should not be subjected to excessive mechanical or thermal shock. **All installation materials should be used according to the manufacturer's instructions.** Walker Zanger® recommends that you use the LATICRETE "System" approach to installing this product that provides a comprehensive 10 –Year Labor and Material Warranty or an equal single source substitute.

For LATICRETE 10-Year Labor & Material Guarantee, materials for setting & grouting shall be as follows: Setting material: LATICRETE 254 Platinum Thin-Set. Then grout with either sanded (1500 series or SpectraLOCK PRO) or unsanded grout (1600 series) (for joints no larger than 1/8" wide). Color to be selected from LATICRETE International, Bethany, CT USA. Telephone: 1 (800) 243-4788 or (203) 393-0010, Fax: (203) 393-1684. Web Page:

www.laticrete.com

Email: support@laticrete.com

EXPANSION AND CONTROL JOINTS PER TCNA EJ171-2K

Existing joints in subsurface must be carried through tile work. Expansion joints should be installed at all "changes of plane" in the tile work and where tile abuts restraining surfaces, therefore silicone caulking **sealant must be installed in all corner joints in the place of grout.**

INSTALLATION OF TILE

Install tile per manufacturer's instructions and to meet industry standards and, prior to installation, wet half of one sheet and remove the paper to verify color and appearance.

- To avoid adversely affecting the color of glass tile, white thin-set setting material is required for all installations.
- Glass tile must have a minimum 1/16" grout joint and should not be butt set.
- Wipe the back of the tile and substrate clean with a clean damp sponge. This will help achieve 100% mortar coverage.
- The thin-set adhesive should first be applied to the surface to be tiled. With the flat side of trowel using a scraping motion, work the adhesive into good contact with the surface to be covered. Then, a second time, go back with more setting material using the notched side of the trowel to achieve an even depth setting bed, and finally once more lightly through with the flat side of the trowel to smooth out the linear notched grooves. Only apply as much adhesive as can be covered within 10-15 minutes, or while the adhesive surface is still wet and tacky. A trowel having v-notches approximately 3/16" is recommended; held at a 45-degree angle to the substrate, when combing through the setting material as discussed above.
- To insure adequate coverage and full contact to the tile it is recommended to lightly back butter the tile. Back buttering is required for semi-transparent glass tile exceeding a 2" x 2" dimension. A trowel having v-notches approximately 3/16" is recommended, held at a 45-degree angle to the substrate, when combing through the setting material as discussed in step two of the previous paragraph. Glass tile shall then be set in place and tapped gently with a grouting float to insure 100% full bedding and a true surface. Tile shall be aligned to show uniform joints and then allowed to set until firm before grouting the following morning. If necessary, remove clear surface tape by pulling diagonally from the corner along the surface plane of the newly installed tile. Please remember that glass tile is semi-transparent and may take longer than the usual method.

When working with glass tile, it is important to immediately eliminate any voids or air pockets in the setting bed that can affect the visual quantities of the tile.

GROUTING AND POINTING JOINTS

Grout joints should be packed full and free of all voids and pits. Excess grout should be cleaned from the surface as the work progresses, while grout is fresh and before it hardens. Prior to grouting, test an area to make sure the surface does not scratch during grouting. It is recommended to use a latex modified grout from the manufacturer for increased performance.

- **No acids** should be used for cleaning grout haze.
- Due to the impervious quality of glass, the grout will take longer to begin setting up.
- Follow the grout manufacturer's recommendations for the final clean washing and smoothing of the grout joints.

CUTTING/DRILLING

Use a high quality wet saw with a diamond "cut-off" blade or carbide blade produced specifically for cutting glass tile. We recommend using a tile blade designed for cutting glass, which is available through Walker Zanger.

- To prevent rough edges, glass tiles **must be cut in an extremely slow manner**.
- Turn the tile upside down for cutting to minimize chipping of the colored backing.
- Cut edges should be stoned or sanded smooth after cutting.

Prop 65 warning: Cutting, drilling, grinding or polishing stone, glass, ceramic and porcelain products may produce airborne crystalline silica particles that can cause lung injury or cancer if inhaled. Make sure that your installer or fabricator uses adequate dust prevention methods such as wet cutting, dust masks, and protective eyewear. Children should not be present during cutting, drilling, grinding or polishing.

MAINTENANCE

Use a glass cleaner and a soft lint free cloth for cleaning glass tile. To remove soap scum or water deposits a minimally abrasive cleanser and soft bristle brush can be used. For calcium build up use Oceancare Calcium Releaser.

Walker Zanger provides product information and information concerning certain installation procedures and maintenance practices to assist each of its customers in making selection, usage, installation and maintenance decisions, to maximize their enjoyment of its products. Customer's selection and usage of Walker Zanger's products and the installation procedure and maintenance practice employed by each customer are outside the direction and control of Walker Zanger and are strictly and completely the choice and responsibility of each customer. Walker Zanger does not warranty any product for any specific use nor any installation procedure or maintenance practice and expressly disclaims all claims asserted after customer installation or usage of Walker Zanger's products begin.