

Product and Installation Specifications Information for:
Walker Zanger Mantra 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**. 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.** Mantra is a semi-translucent glass tile. The color of the thin-set will affect the final appearance of the color. **Walker Zanger recommends CUSTOM BUILDING PRODUCT' MegaLite Thin-Set Adhesive.** Grout with Polymer Fortified cementitious sanded grout. For **Saltwater Pools** grout with Laticrete SpectraLOCK Pro Epoxy Grout.

EXPANSION AND CONTROL JOINTS PER TCNA EJ171

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 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. Absolutely **NO skinning over** of

thin-set adhesive. 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.

Mantra shall then be set in place and tapped gently with a grouting float to insure 100% full bedding and a true surface. To avoid the appearance of a uniform pattern of separation between the sheets, stagger the sheets. Then, being certain that the edges are properly aligned, while the thin-set is still fresh you can wet the paper in 30-40 minutes and adjust or replace any individual tiles that may need attention.

Lightly wet the paper several times over a 5-10 minute period with warm water and a sponge. After the water has absorbed into the paper, the glue will release allowing the paper to be removed by pulling it 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.

- **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 produced specifically for cutting glass tile.
- Edge cuts are labor intensive and many of the tiles may need to be cut and placed individually.

PROTECTION

The contractor shall take precautions to protect the finished work from damage by other trades. Do not allow construction traffic on fresh tile or grout joints. Allow the grout to cure for a minimum of 7 days before aggressive use or steam cleaning.

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 Oceanscare 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.