



Crossville Sideview Glass Tile Installation and Maintenance Guide

APPLICATIONS

Crossville Sideview Glass tiles can be used for interior walls and exterior covered wall applications in wet or dry locations. Acceptable substrates include cement backer board and / or concrete masonry block. Gypsum wallboard may be used for dry interior walls only. Cement mortar beds are acceptable after a minimum 10-day cure time. Sideview glass tile **should not** be installed in pools, spas, fountains or steam rooms.

INSTALLATION INSTRUCTIONS

Verify products BEFORE installation for any visible defect and/or other aspects that may be questionable, such as, but not limited to: shade variations, chipped edges, and scratched surfaces. Installation of products claimed to be defective or not corresponding to customer's expectations constitutes acceptance of the product "as is" and no claims will be accepted after installation.

It is strongly recommended that you **not** use the following setting materials:

- Organic Adhesive (mastic) may become yellow and their bonding strength is generally weaker.
- As with all tile installations, expansion joints are necessary. Follow Tile Council of America guideline EJ 171 from the current year.
- "Be advised, Crossville believes it is necessary to emphasize and remind owners and installers that glass tile does expand and contract more than ceramic and porcelain tile. This movement needs to be accommodated in the installation, particularly where **high and low temperature changes may occur**. Be sure to use flexible sealant/caulk joints anywhere tile work abuts restraining surfaces such as perimeter walls, inside corners, dissimilar floors, curbs, counters, backsplashes, columns, pipes, ceilings, cabinets or any projection through the tiled surface and in compliance with Tile Council of America guidelines. This recommendation is standard installation procedure though frequently ignored with ceramic tile. **It is critical with glass tile installation.**

For setting the tiles/mosaic sheets it is recommended that you use a high performance white thin-set mortar (Ex: Custom Glass Tile Thin set Mortar, Mapei Adesilex P-10, Laticrete 253 White, modified with polymer or latex, compliant with ANSI 118.4.

A ¼" x ¼" square-notched trowel should be used. All trowel ridges in the thin-set must be smoothed out using the flat edge of the trowel before setting the tile. Un-mounted individual tiles should be "back-buttered" with a **thin**, continuous layer of the mortar. When back-buttering glass tiles, do not OVERBUILD (too thick/high) the mortar. As the mortar cures, shrinkage may occur that can crack the glass tile. Work small areas of 4 to 6 square feet that can be accomplished in 15 to 20 minutes. This will assure bonding mortar remains fresh.

Any thin-set mortar that has pushed up into the joints should be removed.

GROUTING

When selecting the grout color, consider that some glass tile edges may be transparent. The color of grouting materials will be visible from the edges of the tile. A white unsanded grout, similar in color to the bonding mortar will help to minimize any visible differences. Make the grout color selection accordingly! Use unsanded cement grout, modified with polymer or latex, compliant with ANSI 118.6 is recommended. Due to Sideview glass tiles angled back edges, care should be taken when grouting, to fully pack the joints because space between the tiles becomes wider on the backside

After installation it is recommended the tile be cleaned with grout cleaners that are generally accepted, for example Aqua Mix Grout Haze Clean-Up or TEC Banish Grout Haze Remover. Wipe off the heavy grout residue with a clean, white nylon scrub pad or with clean cheese cloth. Finish with a clean grout sponge or damp terry cloth towel. Always use clean cloths white if possible, as some fabric dyes may color the grout joint.

Some grout cleaners may change the grout color: if in doubt, test first in an inconspicuous area.

DRILLING and CUTTING

Always wear eye protection when cutting, drilling or grinding glass tile.

Cutting: Use a glass cutter (score and snap) with a new scoring wheel, or a wet saw with a new diamond rimmed blade **designed to cut glass**. Blades designed for cutting ceramic tile are not to be used they can make a coarse cut and that causes unwanted chips and irregularities along the cutting line.

To maintain consistent smooth cuts and before the cuts become coarse, re-dress the diamond blade with an abrasive dressing stone, to expose a fresh layer of diamonds on the blade rim, or replace the blade.

Cutting will leave sharp edges and corners. These edges should be smoothed and dulled with a diamond hand pad or similar abrasive tools.

Drilling holes: If possible, drill holes before installing the tile and drill from both sides. This will help reduce chips and cracks. A new diamond tipped core bit with a low speed drill (200 to 300 rpm) will give the best results. Continuously spray water on the drill bit and the glass surface that is being drilled.

If you drill holes for anchoring bolts, keep the hole at least 1/8" larger than needed to avoid stress transfer from the anchor and/or bolt to the tile; otherwise this stress may cause cracks and/or chips.

DRYING TIME

Glass tiles are non-absorbing; the moisture in the setting materials cannot migrate into the glass, it must evaporate slowly through the grout joints. This process requires a longer cure time. Allow the mortar to dry at least 36 to 48 hours before grouting.

CARE AND MAINTENANCE

Normally, it is sufficient to wipe the glass surface with a damp sponge or cloth. When stronger cleaning is needed, any standard, **non-abrasive** floor, wall or glass cleaner can be applied with a non-abrasive sponge or cloth.

Residue from "hard water" can be removed with specific cleaners (such as vinegar-based products), however, these cleaners may affect colored grouts and a test should be made first in an inconspicuous area.

Attention Owners and Installers

Due to the unique manufacturing process of the Sideview Glass tile there will be a certain amount of variation in color, shade, tone, texture and size.

You may notice bubbles, wrinkles or settlement folds in the glass. These are consistent with the specific cooling and drying processes in this type of glass tile product.

Please open and inspect each box of glass tile upon delivery. Buyer is responsible for both inspection and acceptance of the material prior to installation.

** Please refer to Crossvilleinc.com/sideview-glass-characteristics for imagery and descriptions best showcasing the artful characteristics of Sideview Glass tile.*

RESIDENTIAL LIFETIME QUALITY WARRANTY

For more information about the Crossville warranty visit our website

CrossvilleInc.com/Residential/Tile101/Warranties