

INSTALLATION GUIDELINES AND CONDITIONS OF PURCHASE

GLASS TILE SERIES

Please read carefully before installing.

Inspection

Glass Tile is handmade and kiln-fired. Some batch variation is natural. Inspect the product before installation, as use implies acceptance and **no claim can be acknowledged after installation.**

Points below are a general guide only. The tiles are installed similarly to high grade porcelain tiles, but they are less forgiving of poor preparation or workmanship. Installation must be prepared and carried out carefully. As glass expands more than ceramic, ensure adequate expansion control joints including the perimeter.

Maximum distance between joints:

- Internally 20-25 feet (6-7.5 meters)
- Externally 8-12 feet (2.5-3.5 meters)
- Grout joints should be a minimum 1/16 inch (1.5-2 millimeters)

Fixing

It is most important that with translucent Glass Tile the thin-set ridges created by notched troweling are flattened, so that the trowel ridges can not be seen through the glass. Refer to TCNA handbook for reference.

Note: Due to the impervious nature of glass, you may need extended drying times.

Cutting

Straight cuts need quality "score and snap" tile cutters. Those with a "T bar" lever action from above are best, e.g. Sigma brand. Those splitting by a point rising from beneath often result in chipping. Sharp edges should be dressed with a diamond stone. Cut outs and difficult cuts need LOW revolution (3500 -3800 rpm) wet saws with continuous rim diamond blades, e.g. Makita brand, model 4190DW.

Cutting Tip: Glass cuts better when warm. Drilling requires water-cooled machines of low revolution speeds. Water-swivels fitted with hollow diamond core bits are best.

Grouting

The surface finish and grout joint size will determine the type of grout that should be used. Matte/satin finish can be grouted with either unsanded or sanded cement-based grout. Beach finish should be grouted with sanded cement-based grout. Gloss finish (except Spindrift pattern) should be grouted with unsanded cement-based grout or urethane-based grout. Spindrift gloss finish should be grouted with sanded cement-based grout or urethane-based grout.

Grouting cont.

Use care when grouting gloss finish with sanded grout to avoid scratching.

Tile edges are transparent, so grout color can influence the color effect of tiles. Use grouts matching or tonally lighter than the tile color. Grout only when the adhesive has cured to a strong bond. Grouts should form part of a complete system as recommended by the adhesive provider. In exterior, wet, submersed or high vibration uses, use polymer/latex to modify the grout.

Grout an area that can be readily cleaned at a time. Clean up by wiping with a coarse, segmented (slit) sponge that is damp, but not wet. Wipe in a diagonal direction. Keep the sponge flat and wipe in short strokes. Rinse thoroughly between strokes. Avoid dragging grout from the joints. As glass is impervious, grout joints may dry slower than grout on the tile surface. Use a dry cloth for final polishing.

Grout Cleaning

Grouting glass requires extra care in clean up to remove any unwanted grout from surface. Pay special attention to glass with a textured surface or if modified grouts have been used. Grout left on the surface will shadow on the tile back. Grout on a textured surface can be hard to see if the surface is damp. Check carefully to ensure all excess has been removed.

Note: In the case of grouts modified with an acrylic additive, excess left on surface to harden will be extremely difficult to remove.

Recommended Approach For Cleaning Off Grout Haze

After initial application and proper clean up, allow grout to harden overnight. Note: Do not wait longer than 1 day for the final cleaning, as hardened grout is extremely difficult to clean off.

Apply a properly diluted sulfamic acid solution to tile surface using a brush or spray bottle. Follow manufacturers instructions to insure proper solution mix. Allow solution to sit for 2 minutes or more before rigorously scrubbing the surface of the glass with a small scouring sponge or a small brush. Clean with water and a clean sponge.

T.C.N.A.

All installations of Glass Tile should meet or exceed the guidelines and specifications as outlined by the Tile Council of North America. Refer to **www.tileusa.com** for information regarding the guidelines.