



INSTALLATION BULLETIN #1

INSTALLATION OF PAPER OR FILM FACE GLASS MOSAIC TILE

PREPARATION OF SUBSTRATE

All surfaces to be covered with glass mosaic tile must be fully cured, free from sealers, grease, paint or other foreign matter, and be smooth and level to within 3 mm (1/8") in 3 m (10'). Level uneven wall or floor surfaces to above tolerances using **Flextile 57 Scratch Coat** leveling mortar mixed with **Flextile 43 Acrylic Mortar Additive**. Apply leveling mortar to dampened concrete using a flat trowel. Allow to cure for a minimum of 24 hours at room temperature. **Flexflo 59 or Flexflo Plus 5900 Fast-Setting Self Leveling Underlayments** may be used on approved substrates on floor applications. Extended curing may be required at temperatures below 20°C (70°F). Use **Flextile WP900 or WP980 Waterproof & Crack Isolation Membranes** (ANSI A118.10, ANSI A118.12) on all applications where waterproofing or crack isolation is required. Refer to Flextile 09300 Installation details, or current editions of TTMAC 09300 Tile Installation Manual or TCA Handbook for Ceramic Tile Installation for all other substrate preparation details.

WALLS

INSTALLATION: Install using **Flextile 51 White Floor & Wall Mix Mortar** mixed with either **Flextile 43 or 44 Acrylic Mortar Additive** (ANSI A118.4). Spread an even coat of mortar to substrate using a 3 mm x 3 mm (1/8" x 1/8") notched trowel. Spread only enough mortar that can be covered with tile before mortar starts to skin. Apply sheets of glass mosaic with paper or film facing outwards, ensuring that the print on the sheets all faces in the same direction. Firmly embed each sheet into the mortar or adhesive using a flat wooden block to produce a flat, even surface. Ensure that space between each sheet is equal to that between the tiles to maintain a uniform appearance. Once sheets have been set, dampen the paper on the face of the tile with a wet sponge and wait a few minutes until the paper can be removed. Carefully remove the paper or film by pulling downward in a diagonal motion. Once paper or film has been removed, adjust any tiles that may not be properly aligned. Allow installation to cure for a minimum of 24 hours prior to grouting.

GROUTING: Ensure that tile surfaces are clean and free of any glue residue which may have been left upon removal of paper or film. Grout using **Flextile Polymer Modified Non-Sanded Wall Grout** (ANSI A118.7). Using a hard rubber float, spread the grout diagonally across the tile surface, applying enough pressure to fully pack the joints. Remove excess grout from the tiles with the rubber float held at 90° to the surface, working diagonally across the joints to produce flush, even grout joints. Once grout is firm in the joints, remove any grout haze or residue with a clean, damp sponge or cheesecloth. Note: dampening tile surfaces lightly with a clean sponge and water prior to grouting facilitates easier removal of excess grout. Once grout has dried, polish tile surface with a clean cloth or towel.

FLOORS

The joints of the glass mosaic tiles must first be filled using **Flextile Polymer Modified Sanded Floor Grout** (ANSI A118.7). Place each sheet of mosaic tile face down on a smooth surface and spread grout across the back of tiles with a straight-edged trowel, filling all the joints. Remove excess grout with the trowel, leaving a thin, fresh layer of grout on the backs of tile. This will leave a uniform surface, as some of the mosaic tiles may be thinner than others. Once prepared as above, spread **Flextile 51 White Floor & Wall Mix Mortar** mixed with either **43 or 44 Acrylic Mortar Additive** (ANSI A118.4) onto properly prepared floor surface using a 3 mm x 3 mm (1/8" x 1/8") notched trowel. Place freshly prepared sheets of mosaic tile onto combed mortar with the paper or film facing outwards, and embed firmly into the mortar using a flat wooden block to produce a flat, even surface. Make sure that the print on the sheets all face in the same direction, and that the space between each sheet is equal to that between the tiles. Once mosaic tile sheets have set firm, use a sponge dampened with clean water to moisten the paper face. After a few minutes, carefully remove the paper or film by peeling of in a diagonal motion. Inspect the grout joints for any pinholes or voids, and go over with a thinned grouting mixture of the same color using a rubber float to produce flush, even grout joints. Remove excess grout from the tiles with the rubber float held at 90° to the surface, working diagonally across the joints. Once the grout is firm in the joints, scrub tile surface with a damp cheesecloth or nylon pad to remove any grout haze or paper glue residue. Wipe clean with a damp sponge and polish dry with a clean cloth or towel. Allow installation to cure for a minimum of 24 hours before opening to traffic.

CAUTION

- Do not install when temperature is below 10°C (50° F)
- Do not apply excessive mortar on surfaces to be covered with glass mosaics. Do not use trowels larger than 3 x 3 mm (1/8" x 1/8")
- Use WHITE thin-set mortars only

Please see our terms and conditions of sale. All of the above information is to be viewed as a preliminary guide only and should be subject to expert evaluation in each individual installation. Amongst other limitations of liability, no direct or consequential liability whatsoever shall accrue to Flextile unless it is determined that any Flextile product used has been faulty, and then Flextile's liability is limited to replacement of the Flextile product.

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For job specific installation systems, recommendations, project warranty information, or for assistance with installation specifications, please contact Flextile's technical department.

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