



Glass Tile Installation using Pro-Line Glass Bond P

While the use of glass has been growing, the installation techniques have been limited to a few industry approved methods. The method used below conforms to ANSI A108.16. This technical bulletin is a guideline for installing paper-faced, back-mounted, edge-mounted, or clear film face-mounted glass mosaic tile, 3/16 in. and thicker, using the direct bond method over Portland cement mortar beds, cured seven days minimum, and cementitious backer units (CBU's). **This document assumes that the substrate has been prepared according to industry and manufacturer standards.



1. Using the flat side of the trowel to initiate the bond coat, firmly apply the setting material into the substrate.



2. With additional setting material, using an appropriate sized V-notch trowel, comb the notches full to establish the proper depth of the setting bed.



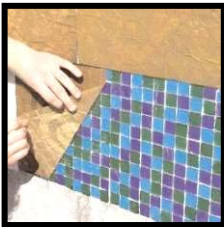
3. Using the flat side of the trowel, flatten the notches to achieve a smooth, consistent setting bed.



4. Apply Glass Tiles into the setting bed using light, even pressure to establish 100 % coverage.



5. To achieve a uniform flat surface tap lightly using a wooden beating block and a hammer.



Paper faced mounted sheets require 15-30 min. of set time before removal of paper and then align tiles. Glass tile is a reflective material and any inconsistencies in your substrate will show after the tile is installed.

Setting material should cure a minimum of 24 hours before grouting. Longer cure times are necessary when installed over some substrates.

Grouting:

1. Apply modified grout with a rubber grout float forcing grout into joints until full.
2. Grout joints shall be full and uniformly finished. Due to the impervious quality of glass, grout will take longer to set before you do the initial cleaning.
3. When the grout turns dull use dry cheesecloth for the first cleaning and to wick the remaining moisture from the grout.
4. After the grout turns dull again smooth the grout with a clean, lightly damp sponge.
5. The day after installation, remove any grout film or haze using a soft cloth and mild detergent solution.



NOTE – Not all ANSI A118.4 latex modified thin-sets, whether spray dried polymer or two part bonding mortar systems, are suitable for installing glass tile. It is the responsibility of the specification writer and the installer to confirm with the glass tile and setting material manufacturers the use of required setting materials, method, and cure times.

Expansion: Glass tile has a high degree of expansion and contraction requiring the installation of expansion joints. Size, location, and type, must be designated by an architect, builder or design professional, and shown on drawing details. Maximum spacing between movement joints should be 8 ft.-12 ft. on center for exterior applications and 20 ft.-25 ft. on center for interior applications, between adjoining dissimilar materials, ceilings and perimeter. For additional recommendations regarding expansion joints, including applications for extreme temperature variations, refer to TCA EJ171-05 or ANSI specification A108.01 Paragraphs 3.7 thru 3.7.4.1.1-2005.



This information is given as generalized reference; see specific product instructions or product sheets for detailed information. If an installation and materials should be change outside the detailed instructions, please contact our technical support dept. for assistance.

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