

Bedrosians[®]
Tile & Stone



When properly installed and maintained, ceramic and porcelain tiles can be enjoyed for many years. Please be sure to familiarize yourself and the installer with these instructions prior to starting the job. You and your installer are responsible for ensuring proper installation and sealing of the tiles. If you have any questions, contact productwarranty@bedrosians.com before moving forward.

Recommended Installation Products & Tools

RECOMMENDED ADHESIVES

For large format porcelain/ceramic tiles (any one edge greater than 15"), a high quality, large-format thin-set mortar (formerly medium-bed mortar) is recommended. For porcelain/ceramic tiles that are not large format, a multi-purpose thin-set mortar is recommended. For porcelain/ceramic tile mosaics, a premium thin-set mortar is recommended. White or grey mortar is commonly recommended for all porcelain/ceramic tile installations. Ensure you follow the thin-set mortar Manufacturer's guidelines with precision.

Recommended thin-set mortars for Large Format Tiles:

1. ARDEX X 5"
2. LATICRETE[®] 4-XLT or LATICRETE LHT
3. BOSTIK Big Tile & Stone

Recommended thin-set mortars for Non-large format Tiles:

1. ARDEX X4™
2. LATICRETE 253
3. BOSTIK Porcelain Mate

Recommended thin-set mortars for Mosaics:

1. ARDEX X77
2. LATICRETE 254

RECOMMENDED SEALERS & GROUT RELEASE

Polished and honed tiles are not pre-sealed at the factory. Therefore, use of an impregnating or penetrating sealer must be applied to these tiles prior to grouting or grout release must be used. It is recommended to use a grout color that matches the most predominant color of the tile.

Recommended sealers:

1. MIRACLE SEALANTS 511 Impregnator
2. STONETECH Bulletproof

Recommended grout release:

1. AQUAMIX Grout Release

RECOMMENDED GROUTS

1. Avoid using setting materials from different production batches and check for bag-to-bag color consistency.
2. A urethane non-pigmented grout such as Bostik TruColor is highly recommended for polished or honed porcelain tile.
3. For any non-polished or non-honed porcelain/ceramic tile, a cement, urethane, or epoxy grout may be used. Most commonly, cementitious grout is used.
4. For cementitious grout, to minimize staining and discoloration over time, treat the grout joints with a penetrating sealer like Grout Shield.

RECOMMENDED WET SAW CUTTING BLADES

1. Alpha 10" Porcelana Blade #PT101A+–Continuous Rim (TLSPT10A);
2. BCE 10" Supreme Granite/Porcelain Blade–Continuous Rim (BCEDB10POR)
3. DeWalt Premium Porcelain Blade–Slotted Rim (DEWDW4764PORBLADE)

Preparation & Installation Instructions



APPLICATION

Porcelain and ceramic tiles may be installed in many different applications. It is not recommended to use polished or honed porcelain/ceramic tiles on exterior floors or areas subjected to water or oil/grease exposure. Visit bedrosians.com for information pertaining to specific product collections.



SUBSTRATE

Pursuant to the TCNA, for tile installations, special attention should be given to substrate stability, rigidity and preparation. Substrates should be sufficiently flat to allow uniform coverage and avoid excessive mortar thickness. Clean the surface well to remove all dirt and residue and remediate all cracks or unlevel areas in the substrate to ensure it is smooth and flat prior to installation. Install over a cured concrete surface or suitable sub-floor like Hardibacker or Ditra. Wall installation on drywall is acceptable when installed with appropriate non-sag setting materials.

Ceramic & Porcelain Tile Installation, Care & Maintenance Instructions



INSTALLATION

Please see the latest edition of the TCNA Handbook for further instruction.

1. Prior to installation and any cutting, inspect your order carefully. Ceramic and porcelain tile is subject to color and shade variations and it is strongly recommended to blend tiles from different boxes to achieve an even distribution of color range.
2. Installer must conduct a dry mock layout under proper lighting conditions prior to installation by placing tiles on the floor for quality and color inspection. It is imperative that the end user inspect the product prior to installation. Once installed, the product is deemed accepted.
3. Before laying the tiles in thin-set, wipe the back of the tiles with a damp sponge to remove any dust residue and enable proper adhesion.
4. Mark out grid lines on the surface to be tiled.
5. The minimum recommended grout joint for any large format tiles (any one edge is greater than 15") is 3/16". Smaller grout joints void any warranties.
6. Install large format tiles with a large format thin-set mortar and no more than a 33% offset.
7. Use of a leveling system is recommended to ensure tiles lay flat and level.
8. Key in thin-set over the substrate with the flat side of a trowel. Use a square-notched trowel at a 45° angle to spread the adhesive evenly over the substrate in straight lines. For mosaic tiles only, use the flat side of the trowel to smooth or flatten out the ridges in the thin-set.
9. Use the flat side of the trowel to back-butter the tile. Ensure the mortar adhesive is applied to the full back of each tile (100% coverage).
10. Set the tiles into the adhesive according to the marked gridlines, starting from one end and continuing to the other.
11. Tiles are fully embedded when the thin-set is 1/3 the depth of the tile.
12. Immediately remove any excess adhesive from the surface with a damp cloth or sponge.
13. Wait the thin-set manufacturer's instructed time before grouting.
14. Note: You can use profiles to frame and protect the edges of the tile installation. Ensure you follow Manufacturer's instructions completely.



GROUTING

Please see the latest edition of the TCNA Handbook for further instruction.

1. If installing polished or honed porcelain tile, once the thin-set has cured, use a grout release or seal the tile prior to grouting. See above for recommended products. Follow the Manufacturer's instructions.
2. Then, spread grout with a rubber float, completely filling the joints. Joints should be full and free of voids and pits. This step should not be completed until the thin-set has cured.
3. Grout small areas at a time or an area you can comfortably grout within 2 to 3 minutes. Do not spread grout over the entire floor. Grout that sits too long will cure and on the surface of the tile and create haze issues.
4. Follow the grout manufacturer's instructions. Immediately clean all grout and residue from the tiles using a sponge and clean water. Acidic or alkaline cleaners should not be used on the tile or the grout joints.
5. Rub all joints to ensure even levels of grout within each joint.



POST-GROUTING

Once the grout has dried, cover the tile immediately with a protective covering to prevent staining and damage during the remainder of construction.



MOVEMENT JOINTS

To prevent cracking from substrate movement or expansion/contraction, movement joints should be used in all corners and wherever there is a change of plane.



Care & Maintenance Instructions



ROUTINE CLEANING

Specific cleaning and maintenance requirements vary depending on the tile's surface and texture and any present contaminants. Below are some general cleaning and maintenance guidelines.

1. For ongoing maintenance, sweep or vacuum the tiles.
2. Clean the tiles regularly with a pH neutral cleaner and rinse with clean water. Use only neutral, non-abrasive and non-acidic cleaners. Avoid use of any harsh cleaning products that contain bleach or acidic chemicals. Acid-based cleaners and harsh chemicals may etch the surface of the tile, especially tiles with polished or honed finishes.
3. It is important that the cleaner is a non-oil, non-soap and non-animal fat based product. These products act like a magnet, attracting dirt and dust.
4. Always test cleaning solutions on a small inconspicuous area before proceeding to clean the entire surface area.
5. For hard to remove residue, a single disc floor machine with a white pad may be used. Be sure to wet the surface first when using a floor machine.



RESEALING

For polished or honed porcelain tiles installed in high foot traffic applications, it is recommended to re-seal every 2-3 years.



Please Note

Porcelain panels/slabs such as Magnifica® and Plane have their own installation instructions.

If you have any questions, contact productwarranty@bedrosians.com before cutting or installing tiles. Please visit Bedrosians.com for full product details and approved applications. Reference the most current ANSI and TCNA Handbooks for current industry installation standards. Improper installation, care and/or maintenance voids warranty.

Customer's selection and use of Bedrosians® products and the installation procedures and maintenance practices employed by each customer are outside the direction and control of Bedrosians® and are strictly and completely the choice and responsibility of each customer and their installer. Bedrosians® does not warrantee product for any specific use, nor any installation procedure or maintenance practice, and expressly disclaims all asserted claims after installation of Bedrosians® products. Bedrosians® will not be held responsible for improper installation of your tile or specific jobsite conditions.