

Bedrosians® Tile & Stone

ABOUT ZAGORA TILE

What is Zagora tile?

Zagora is a collection of glazed terracotta tile, known as “zellige.” Zellige tiles are handcrafted by artisans in Morocco using centuries-old techniques and materials. Just as they require experience to make, zellige tiles also require experience to install.

How is it made?

Our Zagora Collection is handcrafted from start to finish, a process involving several steps. It begins with locally sourced clay that is molded into small blocks, then dried in natural sunlight. Each block is then hand-dipped in glaze, fired in ancient kilns and hand-chiseled into the desired tile shape and size.

What does the finished tile look like?

Because each tile is individually made by hand, each tile is totally unique. You can expect subtle to pronounced color variation from tile to tile, as well as slight size variation. You will also notice “imperfections” due to the raw materials and primitive methods. Crizzling is very common, which are hairline cracks in the glaze. Pitting through the glaze, chipped edges and undulating surfaces are also a natural occurrence. Rest assured, these are not flaws and the tile is perfectly fine to be installed. If you prefer to minimize the number of tiles with these imperfections please increase your order by 20%-30% to allow your contractor to cherry pick pieces for your project.

What are the tile sizes?

Zagora is made in four sizes: 4”x4” square field, 2”x6” rectangle field, 2”x2” square mosaic and triangle mosaic. Field tiles are loose, whereas mosaic tiles are on 12”x12” mesh-backed sheets. Square and mosaic tiles are approximately 3/8” thick and rectangle field tiles are 3/4” thick, which should be factored in if you are installing a mix of sizes to create patterns.

Where can Zagora be installed?

Zagora is best suited for interior walls, floors, showers, kitchen or bathroom backsplashes, and vanity countertops. Exterior applications should be in non-freeze/thaw climates only, and include walls, pool waterlines and fountains.

Who should install Zagora?

Only installers experienced with zellige or other handmade tile should install Zagora.

BEFORE INSTALLING ZAGORA

Before installing in your space, we recommend blending your Zagora tile by unboxing and laying the tile out on the floor or other flat surface exactly how you want it. Disburse the color variation and unique markings until you have the perfect blend. Due to the uneven thickness of the tile, lippage is likely, but if any sharp exposed edges remain after installation, use a tile rubbing stone to soften them. Also, take the lighting in your space into consideration, as the glazed surface is reflective and the color variations may be more—or less—pronounced.

INSTALLATION MATERIALS

What type of mortar should I use?

For ceramic tiles, a multi-purpose thin-set mortar is recommended and for ceramic tile mosaics, a premium thin-set mortar is recommended. White or grey mortar is commonly recommended for all ceramic tile installations. Ensure you follow the thin-set mortar manufacturer’s guidelines with precision.

Do I need to use a sealer?

Zellige tiles are not pre-sealed and can be porous, making them susceptible to grout staining. Therefore, use of an impregnating or penetrating sealer must be applied to these tiles prior to grouting or grout release must be used.

What are some recommendations for grout?

Avoid using setting materials from different production batches and check for bag-to-bag color consistency. For any non-polished or non-honed ceramic tile, a cement, urethane, or epoxy grout may be used. Most commonly, cementitious grout is used. For cementitious grout, treat the grout joints with a penetrating sealer to minimize staining and discoloration over time.

Do I need a specific 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 subfloor like Hardibacker or Ditra. Wall installation on drywall is acceptable when installed with appropriate non-sag setting materials.



STONETECH® Maintenance & Care

Zagora collection

Ceramic Tile with Epoxy Grout

MCI 105

NOTE: For all products read the entire product label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Epoxy and Single Component grouts (e.g. SPECTRALOCK® PRO Premium Grout, SPECTRALOCK 1) typically have an extremely low absorption rate, and, as such, will not accept a sealer.

REGULAR MAINTENANCE AND CARE

Routine, daily maintenance of tile surfaces will involve keeping dirt, dust and other soiling from building up. Spills, food and other potential staining materials need to be cleaned up in a reasonable period of time. Regular sweeping and light damp mopping is advisable. For larger installations these processes remain the same; only the scale will change.

Highly alkaline, acidic, ammonia based, abrasive cleaners, or bleach may damage some stone, tile and/or grout surfaces and may also degrade an applied sealer, adversely affecting stain repellency. The use of a gentle cleaner specifically formulated for stone, tile and grout maintenance is the best assurance of not harming the tile, grout or degrading any applied sealers.

Maintenance Cleaning

Epoxy and single component grouts are generally impervious to water- and oil-based staining. Maintenance cleaning is required for dirt and dry soil removal. Both routine damp mopping and monthly scrub cleanings of tile surfaces can be accomplished with STONETECH® Stone & Tile Cleaner. Cleaning can be accomplished using a bucket and mop while a wet/dry vacuum is helpful for cleaning big floors. For commercial applications a swing machine fitted with a brush or pad or an auto-scrubber will help maintain larger installations.

For routine cleaning of tile and epoxy grout:

STONETECH® Stone & Tile Cleaner (Concentrate)

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH Stone & Tile Cleaner (Concentrate) with warm water according to the following mixing chart:

Use	STONETECH® Stone & Tile Cleaner (Concentrate)	Warm Water
Light Duty	1 part	64 parts
Heavy Duty	1 part	32 parts

2. Apply mixed solution with a damp mop, sponge or appropriate professional cleaning equipment.
3. Clean entire area with mop, changing cleaning solution often to ensure that soil is not redeposited.
Wipe or rinse cleaned area.
4. Let area dry completely before using.

STONETECH® Stone & Tile Cleaner (Ready-To-Use)

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Spray or pour directly onto soiled area.
2. Wipe clean with a dry towel, lint free cloth or sponge. No need to rinse.
3. Repeat for heavily soiled areas using a non-abrasive scrubbing pad.
4. Wipe clean with a dry towel.

Refer to data sheet [DS 211.0](#) for more information.

NEW INSTALLATION PRE-GROUT TREATMENT

Epoxy grouting cleanup is often easier when the stone is sealed prior to grouting. Some ceramic, porcelain, and quarry tiles are porous or have a textured surface which would benefit from sealing prior to grouting.

A simple water test can be performed to identify if the tile is porous. If the tile darkens after applying water to the surface and waiting for 5 minutes, the tile is absorbent and applying a sealer prior to grouting may aid in clean up after grouting. Typically, ceramic, porcelain, or quarry tile that does not darken with water has a low absorption rate, so a single application of sealer is sufficient as a pre-grouting treatment. Matte finish or textured porcelain tile may also benefit from the use of a pre-grout treatment.

For a pre-grout of ceramic, porcelain or quarry tile:

STONETECH Stone, Tile & Grout Sealer

Pre-Grout Sealer Application

Read the entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure the surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until foot traffic resumes.

1. Ensure the cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH Stone, Tile & Grout Sealer using a paint pad, roller, brush or low-pressure sprayer.
4. Allow the sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. **DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.**
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Should a sealer residue appear, rewet the impacted section of the surface with sealer. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.
8. A full cure is achieved in 24-72 hours. Use of the treated surface may resume in 6-8 hours. If use of the surface must resume sooner, cover the treated surface with red rosin paper to protect it until full cure is achieved.
9. Clean tools used during application with water.

Refer to data sheet [DS 278.0](#) for more information. If another STONETECH natural look sealer is used, please follow the instructions stated on the product data sheet or label.

RESTORATIVE DEEP CLEANING

Stone, tile and grout installations can become heavily soiled over time. Restorative cleaning procedures will help return these surfaces to a more acceptable appearance.

The following restorative surface cleaning processes are done in preparation for resealing or for specialized surface cleaning circumstances. These cleaning processes should not damage the surface of the tile or grout. However, these types of heavy duty cleaning methods may degrade or strip many sealers from the application.

Depending on the type of soiling or staining, select one of the following options:

For cleaning grease, oil, dirt, dry soil, or to prepare for resealing:

STONETECH® KlenzAll™ Cleaner (Concentrate)

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling concentrate. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

The following is a restorative surface cleaning process which is done in preparation for resealing or for specialized surface cleaning circumstances. This process should not damage the stone surface, however, this type of heavy duty cleaning will degrade or strip many sealers from the application.

1. Dilute concentrated STONETECH® KlenzAll™ Cleaner with warm water according to the following mixing chart:

Use	STONETECH® KlenzAll™ Cleaner (Concentrate)	Warm Water	pH
Light Duty	1 part	8 parts	10.7
Medium Duty	1 part	4 parts	11
Heavy Duty	1 part	2 parts	11.3

2. Apply mixed solution with a mop, clean cloth or low-pressure sprayer. Avoid applying cleaner on unintended surfaces.
3. Lightly scrub with a scrub brush or floor machine as needed.
4. Remove STONETECH KlenzAll Cleaner using a clean cloth, wet/dry vacuum or damp mop.
5. Rinse area well with clean water. Allow area to dry completely.
6. Some surfaces may require additional cleaning. If so, repeat steps 2 – 5 above.
7. Reseal cleaned area with STONETECH Stone, Tile & Grout Sealer, if appropriate.

Refer to data sheet [DS 215.0](#) for more information.

Removal of efflorescence, mineral deposits, and calcium based staining:

STONETECH Restore™ Acidic Cleaner

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine required dilution and results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Heavy duty dilution may darken some surfaces. **This acid-based cleaner will etch or damage most marble, limestone and travertine surfaces. Will etch or corrode most metal surfaces.** Avoid skin and eye contact. Wear protective eyewear, gloves, long sleeves, and long pants while handling product. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

1. Dilute concentrated STONETECH Restore™ Acidic Cleaner with warm water according to the following mixing chart:

Use	STONETECH® Restore™ Acidic Cleaner (Concentrate)	Warm Water	pH
Light Duty	1 part	16 parts	1.4
Medium Duty	1 part	4 parts	1.2
Heavy Duty	1 part	1 part	<1

- Mask off and protect any metals or other surfaces not intended to be treated. Apply mixed solution with a clean mop, or towel.
- Agitate with a scrub brush or floor machine as needed.
- Remove STONETECH® Restore™ Cleaner using a clean cloth, wet/dry vacuum or damp mop.
- Rinse area well with clean water and wipe dry.
- Thoroughly rinse all metal surfaces with clean water. Clean and rinse equipment with water.
- Reseal cleaned area with STONETECH Stone, Tile & Grout Sealer, if appropriate.

Refer to data sheet [DS 216.0](#) for more information.

Removal of epoxy grout hazes, stripping topical coatings, acrylic finishes or heavy waxes:

STONETECH® Epoxy Grout Haze & Coating Stripper

Read entire label before using. Use only as directed. Test in a small inconspicuous area to determine ease of application and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area until surface use resumes. Avoid contact with surfaces not intended to be treated. Avoid applying in direct sunlight. Should not be used in extreme temperatures. Recommended application temperature range is between 50°F - 90°F (10 °C - 32 °C). DO NOT USE STONETECH Epoxy Grout Haze & Coating Stripper to remove SPECTRALOCK 1 grout haze. Please refer to TDS 411 for removal of grout haze from SPECTRALOCK 1.

- SHAKE WELL BEFORE USING. Do not dilute before applying.
- Wear rubber gloves and eye protection during handling and application to prevent skin and eye contact.
- Liberally apply an even coat of STONETECH Epoxy Grout Haze & Coating Stripper over the required area with a paint brush, mop or paint pad. DO NOT APPLY WITH A SPRAYER. Immediately remove STONETECH Epoxy Grout Haze & Coating Stripper from unintended surfaces with a wet cloth to prevent potential damage to those surfaces.
- Application time will vary depending on type of coating being removed. Approximate application times are as follows:

Haze / Coating	Surface Type	Age of Haze/Coating		
		24 Hour	7 Days	> 7 Days
Epoxy Grout Haze	Tile	1–3 minutes	3–5 minutes	10 minutes
Epoxy Grout Haze	Natural Stone & Masonry	1–3 minutes	3–5 minutes	10 minutes
Coatings *	Tile	1–5 minutes		
Coatings *	Natural Stone & Masonry	1–5 minutes		10 minutes

- Do not let STONETECH Epoxy Grout Haze & Coating Stripper dry on the surface. If STONETECH Heavy Duty Epoxy Grout Haze & Coating Stripper starts to dry, add additional product to keep surface wet.
- Agitate surface with a nylon scrub brush or pad after testing a small area first to make sure that brush or pad will not scratch the surface. Surface can be wet with water to enable easier removal of coating.
- Wipe up residual STONETECH Epoxy Grout Haze & Coating Stripper Coating Stripper with clean, dry cloth or wet mop. A wet/dry vacuum can be used for larger area.
- Rinse surface well with clean water.
- More than one application may be required, repeat steps 3 through 8 when necessary.
- Surface traffic may begin 2 hours after removal of coating.

Refer to data sheet [DS 116.4](#) for more information.

For spot or small area deep cleaning:

STONETECH® DeepKlenz™ Cleaner

Read entire label before using. Use only as directed. Test in a small inconspicuous area to determine required results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling concentrate. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying. Recommended application temperature range is between 40°F - 100°F (4°C - 38°C).

1. Thoroughly wet surface by directly spraying onto soiled area.
2. Allow STONETECH® DeepKlenz™ Cleaner to work on the surface for 5-10 minutes. Do NOT allow product to dry on the surface.
3. Lightly scrub with a stiff bristle brush to remove the surface contaminants.
4. Rinse and wipe surface with clean cloth and warm water. Repeat as needed for heavy soiled areas.
5. Reseal cleaned area with STONETECH Stone, Tile & Grout Sealer, if appropriate.

Refer to data sheet [DS 111.2](#) for more information.

For cleaning and removing soap scum:

STONETECH Soap Scum Remover

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying.

1. Spray STONETECH Soap Scum Remover directly on soiled areas. Avoid applying onto unintended surfaces.
2. Wipe surface with clean, dry cloth or scrub with stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Wipe area dry with clean cloth.
5. Repeat as needed for heavily soiled areas.

Refer to data sheet [DS 229.0](#) for more information.

For cleaning and removing mold and mildew:

STONETECH Mold & Mildew Stain Remover

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying. Do not mix this product with other household cleaners or metals.

1. Spray STONETECH Mold & Mildew Stain Remover directly on soiled areas. Avoid applying onto unintended surfaces.
2. Clean surface with non-abrasive sponge or stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Repeat as needed for heavily soiled areas.

Refer to data sheet [DS 219.0](#) for more information.

For oil stain removal:

STONETECH Oil Stain Remover

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine that the desired results will be achieved. Make sure surface is clean, dry, and free of waxes and coatings. Ensure that

area is well-ventilated and keep children and pets away from the area during application and until surface is clean and dry.

1. Using a plastic or wood spatula, stir thoroughly to mix the paste.
2. Apply a ¼" (6 mm) thick layer of paste to the stain. Ensure that the paste extends at least 1" - 2" (25 – 50mm) beyond the edge of the stain.
3. Do not cover.
4. Allow 48 – 72 hours for STONETECH® Oil Stain Remover to dry.
5. Using a plastic spatula, remove the dried STONETECH Oil Stain Remover and discard.
6. Allow solvent to completely dry from the stone.
7. If stain is not completely gone after drying, repeat process.
8. Clean up residue and tools with mineral spirits.
9. Once the surface is dry, reseal the cleaned area with STONETECH Stone, Tile & Grout Sealer, if appropriate.

Refer to data sheet [DS 214.0](#) for more information.

SEALING AND PROTECTING:

Ceramic, quarry and porcelain tiles have traditionally been impervious to liquid stains from both oil and water-based materials and most do not require sealing. However, there are now porcelain, quarry and ceramic tile that may exhibit porosity and can benefit from sealing. Test the tile for porosity (see the section "New Installation Pre-Grout Treatment" for directions) or consult with the tile manufacturer to determine if sealing is required.

STONETECH Stone, Tile & Grout Sealer (Applies to tile which will accept a sealer)

cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until foot traffic resumes.

1. Ensure the cap is closed and sealed and then shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH Stone, Tile & Grout Sealer using a paint pad, roller, brush or low-pressure sprayer.
4. Allow the sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. **DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.**
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Should a sealer residue appear, rewet the impacted section of the surface with sealer. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.
8. A full cure is achieved in 24-72 hours. Use of the treated surface may resume in 6-8 hours. If use of the surface must resume sooner, cover the treated surface with red rosin paper to protect it until full cure is achieved.
9. Clean tools used during application with water.

Refer to data sheet [DS 278.0](#) for more information. If another STONETECH natural look sealer is used, please follow the instructions stated on the product data sheet or label.

Maintenance & Care Instructions are subject to change without notice. For latest revision, check our website at <https://laticrete.com> MCI105 R 01 April 2023



LATICRETE INTERNATIONAL, INC. ▪ 1 LATICRETE Park North ▪ Bethany, CT 06524-3423 USA
800.243.4788 ▪ support@laticrete.com ▪ www.laticrete.com

©2015 LATICRETE INTERNATIONAL, INC. All trademarks shown are the intellectual properties of their respective owners.



STONETECH® Maintenance & Care

Zagora collection

Ceramic Tile with Cement Grout

MCI 104

NOTE: For all recommended products: read the entire product label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Avoid skin and eye contact. Always wear appropriate safety equipment during product use.

REGULAR MAINTENANCE AND CARE

Routine, daily maintenance of tile surfaces will involve keeping dirt, dust and other soiling from building up. Spills, food and other potential staining materials need to be cleaned up in a reasonable period of time. Regular sweeping and light damp mopping is advisable. For larger installations these processes remain the same; only the scale will change.

Highly alkaline, acidic, ammonia based, abrasive cleaners, or bleach may damage some stone, tile and/or grout surfaces and may also degrade an applied sealer, adversely affecting stain repellency. The use of a gentle cleaner specifically formulated for stone, tile and grout maintenance is the best assurance of not harming the tile, grout or degrading any applied sealers.

Maintenance Cleaning

Both routine damp mopping and monthly scrub cleanings of tile surfaces can be accomplished with STONETECH® Stone & Tile Cleaner. Cleaning can be accomplished using a bucket and mop while a wet/dry vacuum is helpful for cleaning big floors. For commercial applications a swing machine fitted with a brush or pad or an auto-scrubber will help maintain larger installations.

For routine cleaning of tile and cement grout with a cleaner:

STONETECH® Stone & Tile Cleaner (Concentrate)

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Dilute STONETECH Stone & Tile Cleaner (Concentrate) with warm water according to the following mixing chart:

Use	STONETECH® Stone & Tile Cleaner (Concentrate)	Warm Water
Light Duty	1 part	64 parts
Heavy Duty	1 part	32 parts

2. Apply mixed solution with a damp mop, sponge or appropriate professional cleaning equipment.
3. Clean entire area with mop, changing cleaning solution often to ensure that soil is not redeposited. Wipe or rinse cleaned area.
4. Let area dry completely before using.

STONETECH® Stone & Tile Cleaner (Ready-To-Use)

Read entire label before using. Use only as directed. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear and gloves when handling concentrate. Keep children and pets out of the area during application and drying.

1. Spray or pour directly onto soiled area.
2. Wipe clean with a dry towel, lint free cloth or sponge. No need to rinse.
3. Repeat for heavily soiled areas using a non-abrasive scrubbing pad.
4. Wipe clean with a dry towel.

Refer to data sheet [DS 211.0](#) for more information.

NEW INSTALLATION PRE-GROUT TREATMENT

Some ceramic, porcelain, and quarry tiles are porous or have a textured surface which would benefit from sealing prior to grouting.

A simple water test can be performed to identify if the tile is porous. If the tile darkens after applying water to the surface and waiting for 5 minutes the tile is absorbent and applying a sealer prior to grouting may aid in clean up after grouting. Typically, ceramic, porcelain, or quarry tile that does not darken with water has a low absorption rate, so a single application of sealer is sufficient as a pre-grouting treatment. Matte finish or textured porcelain tile may also benefit from the use of a pre-grout treatment.

STONETECH Stone, Tile & Grout Sealer

Pre-Grout Sealer Application

Read the entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24-hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure the surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until foot traffic resumes.

1. Ensure the cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH Stone, Tile & Grout Sealer using a paint pad, roller, brush or low-pressure sprayer.
4. Allow the sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. **DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.**
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Should a sealer residue appear, rewet the impacted section of the surface with sealer. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.
8. A full cure is achieved in 24-72 hours. Use of the treated surface may resume in 6-8 hours. If use of the surface must resume sooner, cover the treated surface with red rosin paper to protect it until full cure is achieved.
9. Clean tools used during application with water.

Refer to data sheet [DS 278.0](#) for more information. If another STONETECH natural look sealer is used, please follow the instructions stated on the product data sheet or label.

RESTORATIVE DEEP CLEANING

Stone, tile and grout installations can become heavily soiled over time. Restorative cleaning processes will help return these surfaces to a more acceptable appearance.

The following restorative surface cleaning processes are done in preparation for resealing or for specialized surface cleaning circumstances. These cleaning processes should not damage the surface of the tile or grout. However, these types of heavy-duty cleaning methods may degrade or strip many sealers from the application.

Depending on the type of soiling or staining, select one of the following options:

For cleaning grease, oil, dirt, dry soil, or to prepare for resealing:

STONETECH® KlenzAll™ Cleaner (Concentrate)

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling concentrate. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

The following is a restorative surface cleaning process which is done in preparation for resealing or for specialized surface cleaning circumstances. This process should not damage the stone surface, however, this type of heavy duty cleaning will degrade or strip many sealers from the application.

1. Dilute concentrated STONETECH® KlenzAll™ Cleaner with warm water according to the following mixing chart:

Use	STONETECH® KlenzAll™ Cleaner (Concentrate)	Warm Water	pH
Light Duty	1 part	8 parts	10.7
Medium Duty	1 part	4 parts	11
Heavy Duty	1 part	2 parts	11.3

2. Apply mixed solution with a mop, clean cloth or low-pressure sprayer. Avoid applying cleaner on unintended surfaces.
3. Lightly scrub with a scrub brush or floor machine as needed.
4. Remove STONETECH® KlenzAll™ Cleaner using a clean cloth, wet/dry vacuum or damp mop.
5. Rinse area well with clean water. Allow area to dry completely.
6. Some surfaces may require additional cleaning. If so, repeat steps 2 – 5 above.
7. Reseal cleaned area with STONETECH Stone, Tile & Grout Sealer, if appropriate.

Refer to data sheet [DS 215.0](#) for more information.

Removal of efflorescence, mineral deposits, and calcium based staining:

STONETECH® Restore™ Acidic Cleaner

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine required dilution and results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Heavy duty dilution may darken some surfaces. **This acid-based cleaner will etch or damage most marble, limestone and travertine surfaces. Will etch or corrode most metal surfaces.** Avoid skin and eye contact. Wear protective eyewear, gloves, long sleeves, and long pants while handling product. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying.

1. Dilute concentrated STONETECH Restore™ Acidic Cleaner with warm water according to the following mixing chart:

Use	STONETECH Restore™ Acidic Cleaner (Concentrate)	Warm Water	pH
Light Duty	1 part	16 parts	1.4
Medium Duty	1 part	4 parts	1.2
Heavy Duty	1 part	1 part	<1

- Mask off and protect any metals or other surfaces not intended to be treated. Apply mixed solution with a clean mop, or towel.
- Agitate with a scrub brush or floor machine as needed.
- Remove STONETECH® Restore™ Acidic Cleaner using a clean cloth, wet/dry vacuum or damp mop.
- Rinse area well with clean water and wipe dry.
- Thoroughly rinse all metal surfaces with clean water. Clean and rinse equipment with water.
- Reseal cleaned area with STONETECH Stone, Tile & Grout Sealer, if appropriate.

Refer to data sheet [DS 216.0](#) for more information.

Removal of cement grout hazes, stripping topical coatings, acrylic finishes or heavy waxes:

STONETECH® Epoxy Grout Haze & Coating Stripper

Read entire label before using. Use only as directed. Test in a small inconspicuous area to determine ease of application and desired results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area until surface use resumes. Avoid contact with surfaces not intended to be treated. Avoid applying in direct sunlight. Should not be used in extreme temperatures. Recommended application temperature range is between 50°F - 90°F (10 °C - 32 °C).

- SHAKE WELL BEFORE USING. Do not dilute before applying.
- Wear rubber gloves and eye protection during handling and application to prevent skin and eye contact.
- Liberally apply an even coat of STONETECH Epoxy Grout Haze & Coating Stripper over the required area with a paint brush, mop or paint pad. DO NOT APPLY WITH A SPRAYER. Immediately remove STONETECH Epoxy Grout Haze & Coating Stripper from unintended surfaces with a wet cloth to prevent potential damage to those surfaces.
- Application time will vary depending on type of coating being removed. Approximate application times are as follows:

Haze / Coating	Surface Type	Age of Haze/Coating		
		24 Hour	7 Days	> 7 Days
Epoxy Grout Haze	Tile	1–3 minutes	3–5 minutes	10 minutes
Epoxy Grout Haze	Natural Stone & Masonry	1–3 minutes	3–5 minutes	10 minutes
Coatings *	Tile	1–5 minutes		
Coatings *	Natural Stone & Masonry	1–5 minutes		10 minutes

- Do not let STONETECH Epoxy Grout Haze & Coating Stripper dry on the surface. If STONETECH Heavy Duty Epoxy Grout Haze & Coating Stripper starts to dry, add additional product to keep surface wet.
- Agitate surface with a nylon scrub brush or pad after testing a small area first to make sure that brush or pad will not scratch the surface. Surface can be wet with water to enable easier removal of coating.
- Wipe up residual STONETECH Epoxy Grout Haze & Coating Stripper Coating Stripper with clean, dry cloth or wet mop. A wet/dry vacuum can be used for larger area.
- Rinse surface well with clean water.
- More than one application may be required, repeat steps 3 through 8 when necessary.
- Surface traffic may begin 2 hours after removal of coating.

Refer to data sheet [DS 116.4](#) for more information.

For spot or small area deep cleaning:

STONETECH DeepKlenz™ Cleaner

Read entire label before using. Use only as directed. Test in a small inconspicuous area to determine required results. Be sure all surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact with product. Wear protective eyewear, gloves, long sleeves, and long pants while handling concentrate. Ensure work area is well-ventilated during application and until surface is dry. Keep children and pets out of the area during application and drying. Recommended application temperature range is between 40°F - 100°F (4°C - 38°C).

1. Thoroughly wet surface by directly spraying onto soiled area.
2. Allow STONETECH® DeepKlenz™ Cleaner to work on the surface for 5-10 minutes. Do NOT allow product to dry on the surface.
3. Lightly scrub with a stiff bristle brush to remove the surface contaminants.
4. Rinse and wipe surface with clean cloth and warm water. Repeat as needed for heavy soiled areas.
5. Reseal cleaned area with STONETECH Stone, Tile & Grout Sealer, if appropriate.

Refer to data sheet [DS 111.2](#) for more information.

For cleaning and removing soap scum:

STONETECH® Soap Scum Remover

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying.

1. Spray STONETECH Soap Scum Remover directly on soiled areas. Avoid applying onto unintended surfaces.
2. Wipe surface with clean, dry cloth or scrub with stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Wipe area dry with clean cloth.
5. Repeat as needed for heavily soiled areas.

Refer to data sheet [DS 229.0](#) for more information.

For cleaning and removing mold and mildew:

STONETECH Mold & Mildew Stain Remover

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine ease of use and desired results. Be sure surfaces to be cleaned are swept or vacuumed to remove loose debris. Avoid skin and eye contact. Wear protective eyewear and gloves. Keep children and pets out of the area during application and drying. Do not mix this product with other household cleaners or metals.

1. Spray STONETECH Mold & Mildew Stain Remover directly on soiled areas. Avoid applying onto unintended surfaces.
2. Clean surface with non-abrasive sponge or stiff nylon brush as needed.
3. Rinse area well with clean water.
4. Repeat as needed for heavily-soiled areas.

Refer to data sheet [DS 219.0](#) for more

information. **For oil stain removal:**

STONETECH Oil Stain Remover

Read entire label before using. Use only as directed. Always test in a small inconspicuous area to determine that the desired results will be achieved. Make sure surface is clean, dry, and free of waxes and coatings. Ensure that area is well-ventilated and keep children and pets away from the area during application and until surface is clean and dry.

1. Using a plastic or wood spatula, stir thoroughly to mix the paste.
2. Apply a ¼" (6 mm) thick layer of paste to the stain. Ensure that the paste extends at least 1" - 2" (25 – 50mm) beyond the edge of the stain.
3. Do not cover.
4. Allow 48 – 72 hours for STONETECH® Oil Stain Remover to dry.
5. Using a plastic spatula, remove the dried STONETECH Oil Stain Remover and discard.
6. Allow solvent to completely dry from the stone.
7. If stain is not completely gone after drying, repeat process.
8. Clean up residue and tools with mineral spirits.
9. Once the surface is dry, reseal the cleaned area with STONETECH® Stone, Tile & Grout Sealer, if appropriate.

Refer to data sheet [DS 214.0](#) for more information.

SEALING AND PROTECTING:

Ceramic, quarry and porcelain tiles have traditionally been impervious to liquid stains from both oil and water-based materials and most do not require sealing. However, there are now porcelain, quarry and ceramic tile that may exhibit porosity and can benefit from sealing. Test the tile for porosity (see the section "New Installation Pre-Grout Treatment" for directions) or consult with the tile manufacturer to determine if sealing is required.

STONETECH Stone, Tile & Grout Sealer (Applies to tile which will accept a sealer)

Read entire label before using. Use only as directed. Always test in a small inconspicuous area with a 24 hour cure time to determine ease of application and desired results. Allow new grout installations to cure for a minimum of 72 hours prior to application. Make sure surface is clean and free of waxes and coatings. Sealer may be applied to damp surfaces one hour after standing water has been removed. Surface temperature should be between 50°F - 80°F (10°C - 26°C). Ensure that the area is well-ventilated during application and until the surface is dry. Keep children and pets out of the area until foot traffic resumes.

1. Ensure cap is closed and sealed, and shake well before use.
2. Mask off surfaces not intended to be treated.
3. Liberally apply an even coat of STONETECH Stone, Tile & Grout Sealer using a paint pad, roller, brush or low-pressure sprayer.
4. Allow sealer to penetrate the surface for 10-15 minutes. During this time, keep the surface wet with sealer, adding more sealer as needed. **DO NOT ALLOW SEALER TO COMPLETELY DRY ON THE SURFACE.**
5. Thoroughly wipe dry the entire surface with clean absorbent towels.
6. A second coat may be needed for porous, absorbent surfaces. If a second coat is required, it should be applied within 30-40 minutes from the initial application as directed in steps 3-5.
7. Should a sealer residue appear, rewet the impacted section of the surface with sealer. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.
8. A full cure is achieved in 24-72 hours. Use of the treated surface may resume in 6-8 hours. If use of the surface must resume sooner, cover the treated surface with red rosin paper to protect it until full cure is achieved.
9. Clean tools used during application with water.

Refer to data sheet [DS 278.0](#) for more information. If another STONETECH natural look sealer is used, please follow the instructions stated on the product data sheet or label.

Maintenance & Care Instructions are subject to change without notice. For latest revision, check our website at <https://laticrete.com> MCI 104 R 01 April 2023



LATICRETE INTERNATIONAL, INC. ▪ 1 LATICRETE Park North ▪ Bethany, CT 06524-3423 USA
800.243.4788 ▪ support@laticrete.com ▪ www.laticrete.com

©2015 LATICRETE INTERNATIONAL, INC. All trademarks shown are the intellectual properties of their respective owners.