

# CUSTOM 100% SOLIDS EPOXY GROUT INSTALLATION & CLEANING

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Epoxy grouts are increasing in demand due to their resilient features. However, these grouts require different installation methods than cement-based or polymer-modified grouts. Always follow proper installation and application instructions to ensure a successful grouting project.

## BEFORE YOU START

- ▶ Always use rubber gloves and eye protection.
- ▶ Identify all expansion joints in floors before installing epoxy (if applicable).
- ▶ Make sure that tiles are adhered in accordance with proper TCA methods.
- ▶ Make sure tiles are fully imbedded. This reduces the chance of “sagging” or pin holes developing during the curing of the grout.

## TOOLS

- ▶ Epoxy Grout Float – regular cement floats will not work well with epoxy. (SuperiorBilt® 151-446)
- ▶ White Nylon Scrub Pads (SuperiorBilt® 85-10W)
- ▶ Cloth towels
- ▶ Tile Grout Sponges – (SuperiorBilt® 48-2XL)
- ▶ 5 Gallon Bucket
- ▶ Dawn® Original Dish Soap – (Made by Proctor & Gamble)

## MIXING

**Drill mixing is not suggested. Use a margin trowel for best results.**

1. Mix 100% Solids Epoxy Part “A”, then combine with Part “B” in a clean pail.
2. Mix “A” & “B” together thoroughly.
3. Add Polyblend® grout as the color filler (see below for additional tips on using filler powder).
4. After all three components are mixed well, pour entire mix onto the floor or a cool, room temperature surface.

**Epoxies generate heat chemically. When they are left in a bucket, the heat will accelerate the cure process prematurely.**

## GROUTING

1. Force epoxy into the joint with epoxy float. Apply enough pressure to fully fill the joint. All voids must be filled.
2. Remove excess grout with the epoxy float held at a 90° angle. Removing epoxy grout from the tile during the grouting process will make clean-up easier.

## INITIAL CLEANING

1. After 15 – 30 minutes, prepare to clean the tile work.
2. The higher the temperature, the earlier you should begin clean-up.
3. Cover the floor with plenty of water.
4. **YOU CANNOT USE TOO MUCH COOL WATER.** Too little water will not be as effective.
5. Prepare a bucket of clean water mixed with Dawn soap. (Note: It only takes a few drops of Dawn to get a low suds solution.)
6. Using the scrub pad, scrub the tiled area in a circular motion. The scrub pad will cut the remaining residue off. If necessary, add more water to make scrubbing easier.

**The scrub pad will not dig into the grout unless you concentrate directly on the joint. The goal is to remove the epoxy off of the tile and smooth the joint, making sure they are full and flush.**

7. Remove the film off the tile with cloth towels. (Do not use sponges at this step in the clean-up.)
8. Leave grouted areas alone for 1 – 4 hours, depending on air temperature.

## FINAL CLEANING

1. The best time to finish the joints before final cure is when the epoxy joints are soft, like putty. Make sure the joint is not sticky to the touch. Any dirt or surface debris can stick to the joint and become permanently imbedded.
2. Inspect the grouted areas for any resin haze, mis-filled joints, pin holes or receding joints.
3. Go over the joints again with the same solution of cool water mixed with minimal drops of Dawn® Dish Soap. Concentrate on the resin haze left from the first clean up procedure. This acts as a final finishing of the joints.



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## ADDITIONAL TIPS

It is not necessary to use all of the filler powder for each job. Excess powder is provided to adjust consistency for size of the joints. Vertical applications (i.e. quarry cove base) require a stiffer mix to make sure material does not slump out of the joints. See Grouting Wall Tile section for mixing suggestions.

When epoxy is cold it does not flow well. You can make minor adjustments to the flow-ability of the mix by putting either "Part A" or "Part B" into warm tap water (DO NOT USE HOT WATER). The viscosity of the mix will allow for an easier floating process and clean-up.

## GROUTING WALL TILE 100% SOLIDS EPOXY GROUT FOR NARROW (NON-SANDED) JOINTS

### MIXING

Drill mixing is not suggested. Use a margin trowel for best results.

Mix smaller batches if you can't use all the material in 30 minutes.

1. Mix 100% Solids Epoxy Part "A", then combine with Part "B" in a clean pail.
2. Mix "A" & "B" together thoroughly.
3. Add Polyblend® grout as the color filler (see additional tips on using filler powder).
4. After all three components are mixed well, apply epoxy to the wall surface.

## ADDITIONAL TIPS

Polyblend Sanded Grout contains a fine particle size sand filler. When combined with the 100% Solids Epoxy Grout system, the consistency is slightly sticky and is difficult to force into a joint width less than 1/8" (3 mm). By reducing the grout powder [up to 25% or 15 -18 lbs. (6.8 - 8.1 kg)] that is mixed with the epoxy, the consistency of the epoxy is better for use in joint widths less than 1/8" (3 mm). The amount of grout used in the mix will depend on ambient and material temperatures, and whether the installation is vertical or horizontal. Non-Slump Epoxy Additive is available for use with vertical installations.

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