



GRANITE FOUNTAIN SURROUND - INSTALLATION GUIDE



!! WARNING: TIME-SENSITIVE PROCEDURES. PLEASE READ THIS GUIDE COMPLETELY BEFORE BEGINNING YOUR INSTALLATION !!

- Position all surround sections near your slab so you can easily select the correct one.

NOTE: *The surround profiles are finished with the complete set pre-assembled at the factory. All pieces should be numbered to follow in the correct sequence. The order is not necessarily clockwise. Match up 2 with 2, 3 with 3 and so on.*

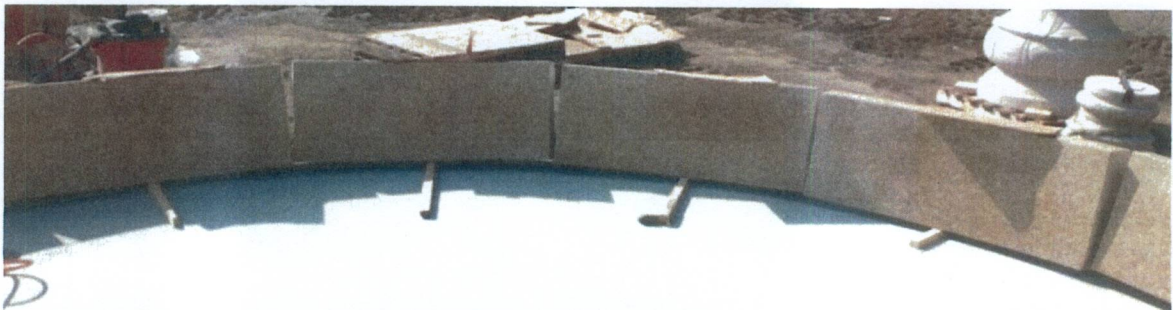
- Be sure the slab is clean and dry and has not been sealed.
- Wipe the bottom of each surround section before they are set in place.



- Dry-set all sections in their correct locations and make any necessary adjustments at this time.

NOTE: *Pieces of cardboard are placed between all surround sections to prevent damage while setting and adjusting.*

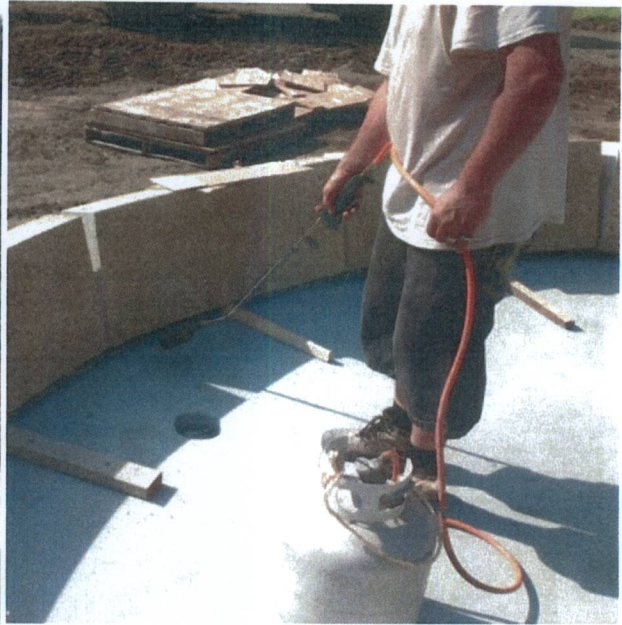
- Maintain a 3/16" to 1/4" gap between pieces. If some areas are too tight, use a saw with a diamond blade to cut the surround sections to maintain an even gap with the blade thickness.
- Use plastic shims under the surround sections to make up any small differences in height. It is a good idea to have 1/16", 1/8" and 1/4" shims on hand for this.





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- Using wood blocks, prop up the surround sections after they have been fitted by tilting them away from the center.
- Blow out any dust that might still be present with compressed air.
- Dry any remaining moisture using a torch or heat gun. You could also use a hair dryer, air compressor, or shop-vac set to the blowing function.



- While holding the cardboard between the sections, carefully tilt the sections back to remove the wood blocks and set back on the concrete.

MIXING THE EPOXY (Tenax™ Rivo 50)

NOTE: Epoxy is time- and temperature-sensitive, be prepared to move quickly once it is mixed.

- Prepare equal-volume (50/50) batches of epoxy on sheets of scrap cardboard in separate amounts about the size of a tennis ball. It will not start to set until it is mixed.



NOTE: Several small batches are better because one large batch will generate too much heat from the chemical reaction and it will harden in a fraction of the time. At 80° F you will have about 30 minutes before it starts to set up. At 90° degrees, you get only 15 minutes. (Min. reaction temperature is 50° F.)

- If you want extra time for setting the pieces keep the epoxy cool until you are ready to mix. This will also make it harder to mix.





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- The epoxy must be mixed thoroughly and completely for it to cure properly. We suggest mixing with shim shingles having 2" of the thin end removed - to make them stronger.

NOTE: *The epoxy is only to hold the granite sections to the concrete slab. It is not a waterproofing system, so you won't need a lot of epoxy.*

- With one person tilting the section back, the other applies the epoxy to the concrete slab.



- You should use roughly a golfball size amount of epoxy in 3 spots. If some sections have been raised by a 1/4" shim, you may need more epoxy for a good bond.





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- Check that your shims have not shifted. If so, be sure to get them back into the correct position before moving on to the next section.



- Now that each section is sitting on epoxy, the surround must be pulled tight for correct alignment. We suggest using a simple ratchet strap to pull the sections in place and make final adjustments.



- Use 1/4" shim shingles pushed in from the top down to maintain spacing.

SHORTCUT: If you don't have hours (or an afternoon) to wait until the epoxy sets - or would like to caulk the fountain immediately, place some fast setting polyester in about 1" of the joint on the top. This will allow you to remove the straps in 15 minutes and begin caulking the fountain. Be sure to tape along the seam on both sections of the granite surround and push the polyester down into the joint at least 1/4" so the caulk will still cover the joint completely.



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- Ensure that you have a consistent $3/16$ " gap along the concrete slab and surround sections so the caulk can get into the seams a minimum depth of $1/2$ ". This is very important to allow the caulk to properly bond to the edge of the seams creating the waterproof seal. You may need to cut this with a grinder and diamond blade.
- Keep the seams evenly spaced. Use a backer rod in any seam larger than $3/16$ " and push the rod in $1/2$ " deep.

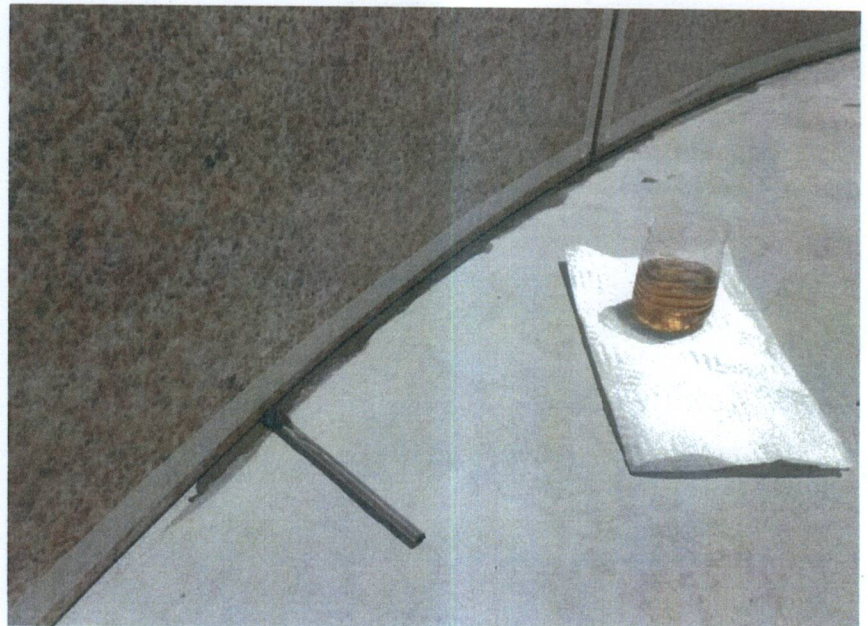


WATERPROOFING THE SEAMS (Deck-O-Seal™)

- Using masking tape, tape the bottom seam about $5/8$ " up from the floor and $3/8$ " wide on the vertical seams. ($1/8$ " onto each section, plus the $1/8$ " joint width)

NOTE: The 2-part primer is critical to coat any seam that will have water against it. Do not prime the top and outside seams as they not need it. The 2-to-1 ratio primer has only a few hours shelf life once mixed. It is critical that you prime completely into the joints at least $1/2$ " to ensure a water-tight bond of caulk-to-stone and caulk-to-concrete.

- When the primer is tacky, but not dry, it is time to caulk all the seams.
- Thorough mixing the the 2-part Deck-O-Seal caulk is critical. Ensure complete mixing when NO color streaks are visible in the the base & colorant mixture.
- Using a re-usable caulk gun fill the cartridge and start from the same location you primed first. Be sure to force the caulk into the seam $1/2$ " and have another person following close behind to smooth the caulk into the joints to ensure good contact with the primed surfaces.
- On the outside (surfaces not in constant contact with water), it is not as important to have the joint filled as deep. It is only cosmetic.



- Immediately after caulking (before it begins to skin-over), remove of the tape.



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- Touch up with fresh caulk as needed so all the joints are smooth and have no visible air pockets.



NOTE: At 80° F you will have about 30 minutes before the caulk begins to set up. You can also keep the caulk cool before mixing to give you more work time. At 72° F, it will take approx. 24 hours to cure and 12 hours to cure at 85° F (based on stone-temperature).



For MSDS info or technical assistance, please call 866-759-1920 from 8AM-5PM Mon-Fri or email info@CarvedStoneCreations.com