

TOPZERO®

Seamless Undermount Sinks

US and Foreign Patents Pending

INSTALLATION MANUAL

www.topzero.com

Watch the TopZero
Sink Installation video
on YouTube

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Step 1: (sink cut-out)

Before installing TopZero sink, visually check for any defects, or damages. Check both mounting brackets, and the edgeless rim, as well as the bowls. The brackets perforated surface shall be perpendicular to the sink walls. Bend the brackets with force of hand if necessary

Sink cut-out can be performed with an automated CNC equipment by using the electronic template provided, or can be done manually

Apply a fine silicone bead in between the sink wall, and brackets. Run your finger over the bead, smoothing it. Clean the excessive silicone with a piece of cloth

Locate where the sink needs to be positioned on the front side of the granite countertop

Mark the sink center line. Then mark a second line 3-1/2" to 4" back from the front edge of the countertop

Lay the sink upside down on the template paper. Trace the outline of the sink edge with a fine point marker, then cut out the template precisely using scissors, or blade. Turn over the template, and place it on the front face of the granite. The template is flipped because the sink might not be 100% symmetric due to its rimless nature. Tape the template on the granite, and trace the outline with a fine point marker. Remove the template

Use a grinder with a diamond blade to cut out the sink hole. The rimless TopZero sink will be inserted into the countertop through the sink hole preferably tight, therefore the cutting shall be precise to 1/16" or less. Corners of TopZero are more solid than the sides which are flexible due to the rimless nature of the sink, therefore extra precision is needed while cutting on corner lines. The rimless sink edge is flexible, therefore the joint between the countertop material, and stainless steel tip can be tapered using clamps, or tension rods at the time of bonding.

Make a fine bevel on the front side of the granite around the sink hole to avoid chipping.

When cut out is complete, insert the sink into the sink hole. Grind the edges as needed in order to fit the sink in place.

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Step 2: (sink mounting)

When the sink is placed in the granite, turn the countertop upside down. Trace the outline of the mounting brackets on the granite, and mark location of the center holes on the granite.

Remove the sink, and drill just one hole marked on each side of the sink. Place the insert nuts into the holes, and glue the nuts into the holes.

The wing-nut/screw assembly will be used to hold the sink in place until the bonding epoxy glue cures, while it will also be useful to adjust the height of the rimless tip of the sink against the upper edge of the granite.

Clean the edge of the sink hole around the cut-out with denatured alcohol.

Apply a thick bead of two part epoxy glue on the granite at the locations of mounting brackets.

Place the sink into the granite, and firmly place it in.

Take the four screw-wing-nut-washer assembly. Position the wingnut, and washer all the way up to the screw head.

Screw the assembly into the holes on the granite. Turn the wing-nuts until they touch the bottom plate of the brackets.

Turn the granite piece finished side up. Observe the location of the stainless tip against granite edge. The stainless edge shall be approximately 1/8" lower than the granite edge all along. Loosen the wing-nuts, and push down the sink slightly, as needed, in order to level the stainless tip all around the sink hole.

Place tension rods in the sink in between opposing walls, in order to make the seam as tight as possible before the epoxy glue cures.

Remove the tension rods.

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Step 3: (joint feathering)

Cover the edge of the granite, and stainless steel wall with masking tape, leaving approximately 1/16" space both on the granite, and the stainless steel.

Apply fast set knife grade clear epoxy on to the joint, forcing it into the joint. Mix color tints in the epoxy for solid color countertops, if preferred. After the epoxy sets, sand, and polish the joint with orbital, or drum sander.

Remove the masking tape.

Scrap remaining epoxy on the granite, and stainless steel with a fine blade.

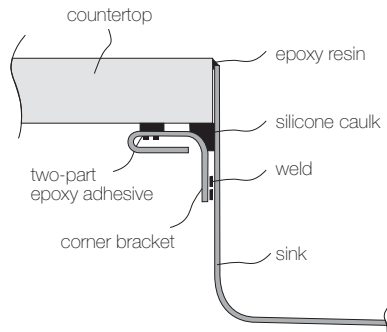
Step 4: (water proofing)

For installation at the fabrication shop:

Turn the granite polished side down. Apply two part low viscosity penetrating epoxy in the sinkwall-granite joint around the sink using a squeezable bottle. The water-like epoxy fills in any voids at the joint all the way down to reach the knife-grade epoxy feathering already applied from the polished side of the granite. Allow the mixture to cure for at least one hour depending on the temperature during application.

For jobsite installation:

Apply 100% silicone caulk around the sink wall/granite joint under the countertop. Run your finger over the bead of caulk, smoothing it, and forcing it into the joint. Use a wet rag to wipe your finger clean before each swipe.



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