karran

INSTALLING EDGE SINKS INTO SOLID SURFACE COUNTERTOPS

OCTOBER 2014

STEP 1

After removing the sink from its box, inspect it for damage. Check the integrity of the rim as well as the bowls for any signs of shipping damage. If the sink is damaged or flawed, call your Karran Sinks distributor immediately.

STEP 2

On the back side of the solid surface material, measure and mark where the sink needs to be installed.

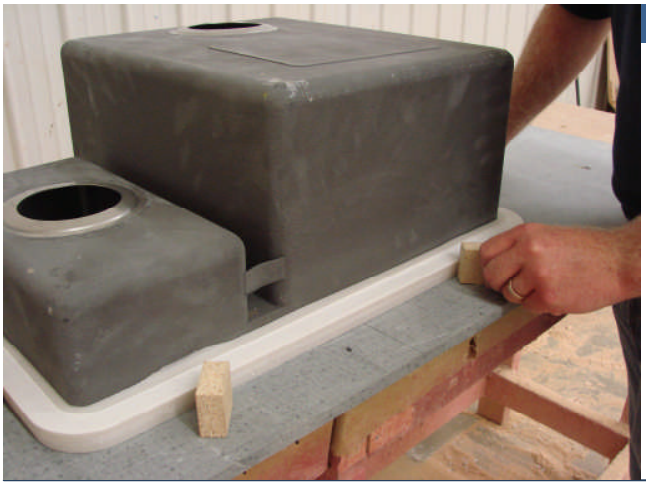
STEP 3

Mark the sink center line.

Next mark a setback from the front edge of the countertop. The recommended amount is about 2” to 2-1/2” but always take into consideration the specific circumstances of each installation relating to cabinet and plumbing placement.

STEP 4

Place the sink upside down on the back of the solid surface in the indicated position. Make sure the sink is centered on the sink center line and the front edge of the rim is on the setback line.

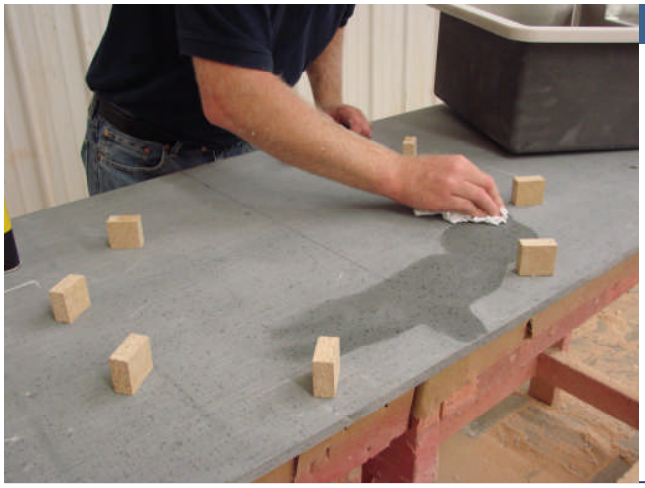


STEP 5

Use hot melt glue to adhere wood locator blocks to the back side of the solid surface around the perimeter of the sink. These will hold the sink in place once seaming adhesive has been applied in Step 11.

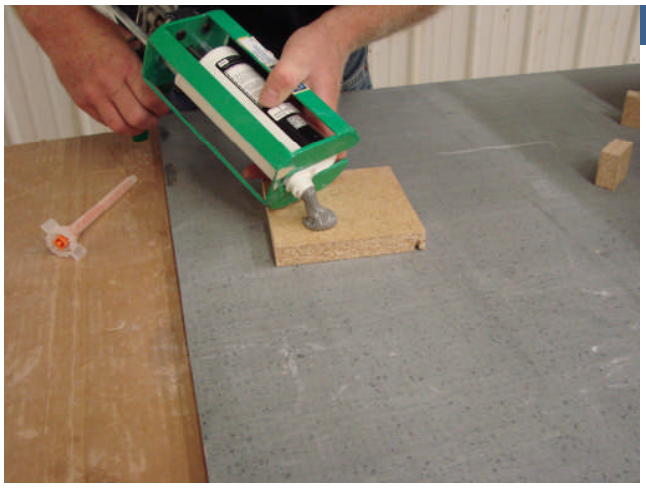
STEP 6

Clean the rim of the sink thoroughly with denatured alcohol and a clean rag.



STEP 7

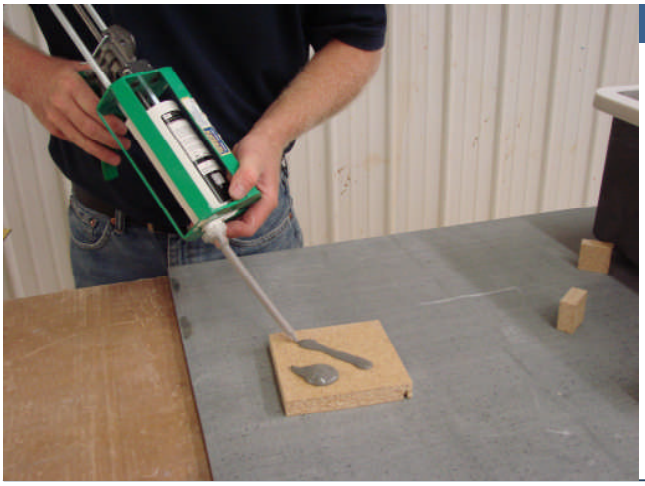
Clean the back of the solid surface where the sink will adhere with denatured alcohol and a clean rag.



STEP 8

Prepare to glue the sink to the back of the solid surface. You will need a 10:1 mix gun and a 10:1 two part solid surface seaming adhesive cartridge. Use a color that matches the color of the solid surface sheet material. Insert the adhesive cartridge into the mix gun.

Purging of the tube is important to ensure both catalyst and adhesive are dispensing. Simply squeeze out a small amount to ensure both are flowing.

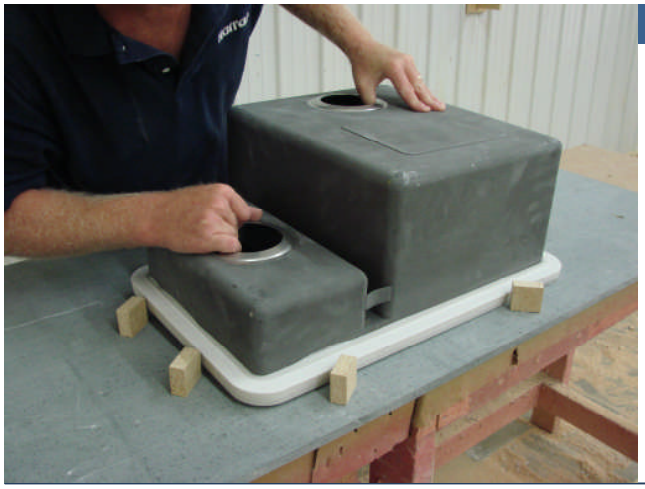


STEP 9

Twist on the static mixing tip and lock into place. Squeeze a 6” bead of solid surface seaming adhesive out of the gun onto a scrap surface to ensure the adhesive and catalyst are fully mixed.

STEP 10

Apply a generous, even bead of solid surface seaming adhesive around the perimeter of the sink.

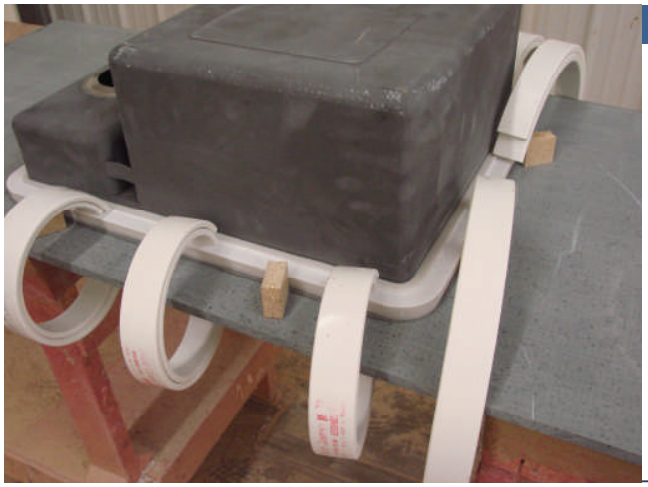


STEP 11

Place the sink into the marked position as indicated by the wood locator blocks.

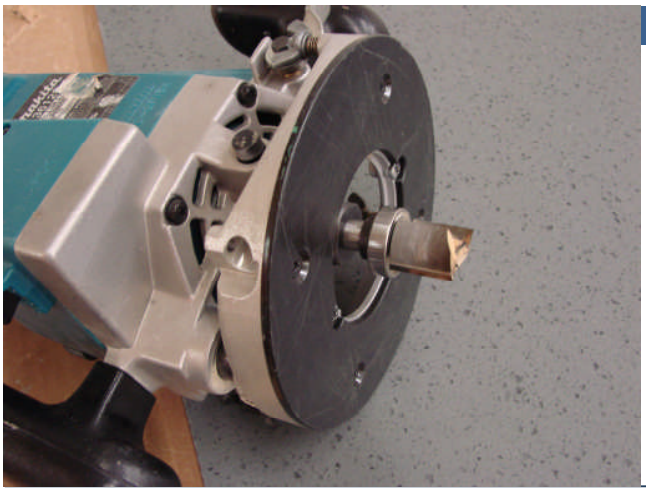
STEP 12

Use your preferred clamping method to clamp the sink in place while solid surface seaming adhesive cures for 30 to 45 minutes.



STEP 13

Leave the sink untouched while the solid surface seaming adhesive is curing for 30 to 45 minutes.



STEP 14

Once cured flip the countertop over. You will now need to drill a pilot hole through the solid surface. You can use a plunge bit in a router (shown here), a hole saw or a wide drill bit.

STEP 15

Pilot hole after routering with plunge bit. Always make this pilot hole in the center of the sink, away from the bowl divider and bowl walls.

STEP 16

Next use an overhang trim bit to do your initial trimming of the solid surface.

STEP 17

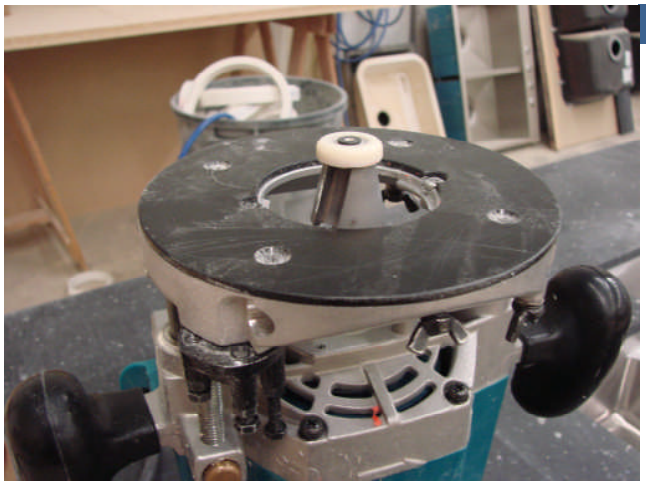
Run the router with the overhang trim bit around the perimeter of the sink, letting the nylon bearing guide along the bowl walls. Make sure to wear the appropriate eye and respiratory protection.

STEP 18

The sink after initial routering with overhang trim bit has been completed.

STEP 19

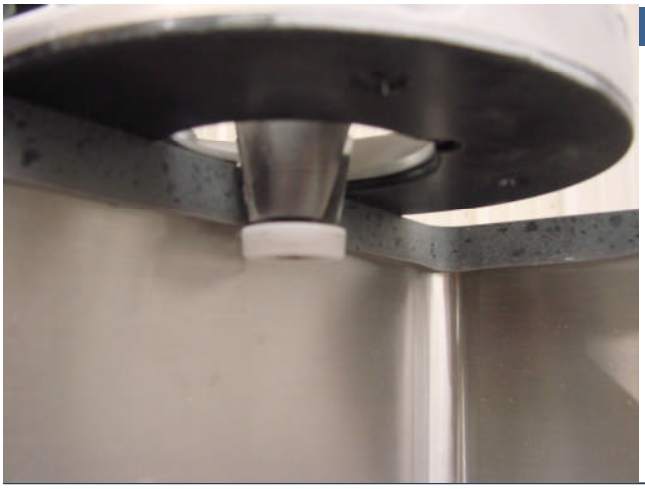
Close up of the sink wall after initial routering with the overhang trim bit has been completed.



STEP 20

Final trimming of the solid surface will be accomplished with a bevel bit. This bevel bit has a 10° cutting angle and a 1/8” oversized nylon bearing. This custom router bit may be obtained from your Karran Sinks distributor.

Place the bit in an adjustable depth plunge router.



STEP 21

Set the depth of the bit so that the bearing is running just below the bottom of the solid surface material and the solid surface seam adhesive that has oozed out.

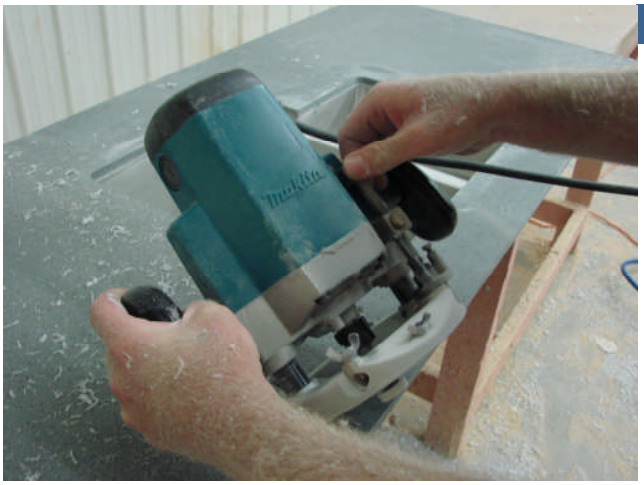
STEP 22

Make a pass around the perimeter of the sink, letting the bearing guide along the sink wall.

STEP 23

Carefully examine the amount of overhang remaining after the initial pass.

The goal is to trim the solid surface material as close to the stainless steel wall as possible without touching the wall with the router bit.



STEP 24

Adjust the depth of the router bit slightly lower so as to achieve a closer cut of the solid surface material to the sink bowl wall.

STEP 25

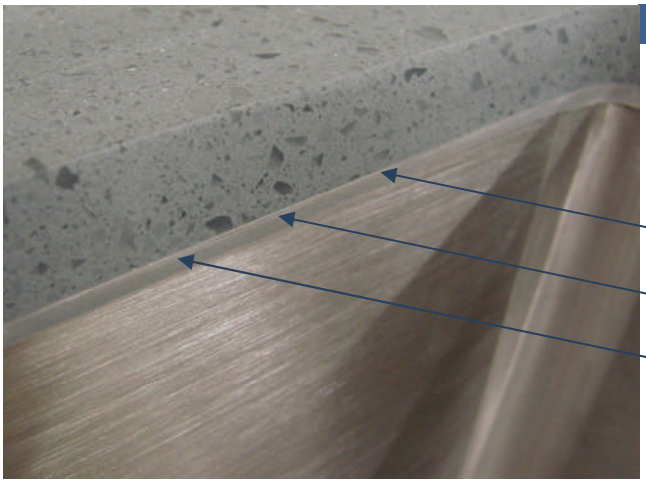
Make a second pass. Carefully examine the amount of overhang remaining after the second pass. If you feel you can cut even closer, adjust the depth of the router bit slightly lower and make a third pass. Repeat this process as needed until you feel you are cutting as close to the sink wall as possible without touching it.

STEP 26

A well routered installation will leave minimal solid surface and adhesive remaining. When starting to router, it is always a good idea to start on the front edge of the sink. This is the least visible area to the homeowner should any repair work be needed. Should the router bit scuff the stainless steel wall, use a coarse grit sandpaper to hand sand the area parallel to the grain on the sink wall. Then move to successively finer grits of sandpaper until you have matched the finish of the stainless steel.

STEP 27

Use a palm or orbital sander to sand the edge of the solid surface. Make sure to keep the sander at the same angle as the beveled router cut so as not to sand on the bowl wall.



STEP 28

Sand the edge of the solid surface to the point that the stainless steel wall starts to show through the glue line.

STEP 29

Remaining adhesive on the bowl wall will simply peel off.

STEP 30

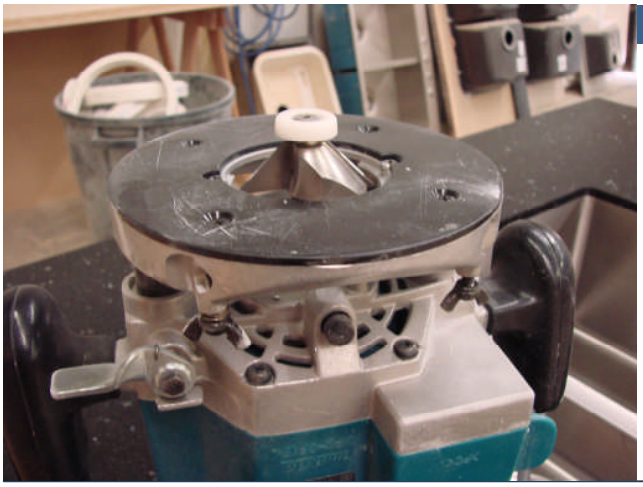
Some final hand sanding with a fine grit sandpaper will be needed to completely smooth and blend the solid surface and stainless steel sink wall.

STEP 31

Use a fine grit flap wheel (180 grit) in a drill to restore horizontal grain lines in sink wall if needed after sanding. Make sure to keep the drill horizontal and do not move it up and down.

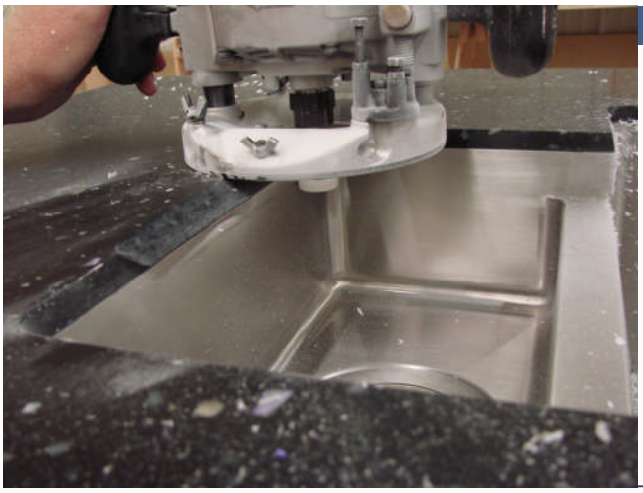
Once blended, wipe the sink and countertop clean. To give the finished sink a lustrous glow, wipe the sink down with WD-40.

FINISHED INSTALLATION



Optional Profiling

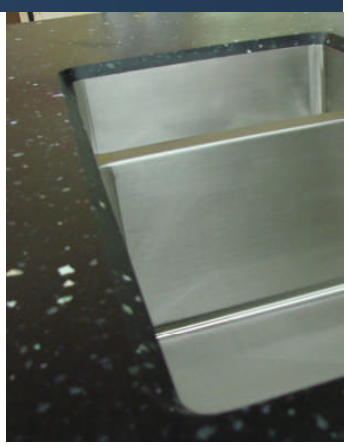
As an alternative to the 10° bevel bit, you may also use a 45° bevel bit shown here.



Optional Profiling

Set the depth of the bit so that the cutting face is cutting just above the top of the stainless steel wall. Run the router around the sink.

Optional Profiling

The beauty of this profile is that when palm sanding the solid surface edge, the sander is operating at a 45° angle to the sink wall. This prevents any scratching of the bowl wall surface. It can significantly reduce overall sanding and finish time.

FINISHED INSTALLATION