Tools Required

- Safety glasses
- Dust mask
- Circular saw with thick heavy duty carbide tipped blade
- Router with carbide tipped straight cutting bit
- Orbital sander with 220 grit and 400 grit sand paper
- Jigsaw with standard wood blade
- Drill
- Hot glue gun
- Vacuum
- Cutting Guide
- Measuring Tape
- C-Clamps
- Putty knife
- Hammer
- Wooden blocks
- Screw driver
- Screws
- Shims
- Masking tape
- Silicone Adhesive
- Covossi Solid Surface Adhesive and Filler
- Covossi Two-Part Adhesive Gun
- Heat reflective foil tape (if installing a drop-in cook top)

INSTALLATION PROCEDURE

Step 1: Inspection and Preparation

a. Unpack the countertops and inspect them for any damage. Make sure the base cabinets are level and secured to the wall. If installing countertops on an island, make sure the cabinets are structurally sound and can support the weight of the countertop.

b. Ensure that the top edges of the cabinets are free from debris such as glue, caulk, nails, and screws.

c. If you are installing the countertops with a seam in a corner, make sure there is bracing on the wall in the corner at the same height as the top of the cabinets, if there is no corner cabinet present. (See Fig. 1.)

Step 2: Installation: cutting to size and making a seam

*Covossi does not recommend making cuts free hand. You must use a guide to ensure a straight cut.*
a. Measure the distance from the edge of the base cabinet to the longest point of the corner of the planned seam including any desired overhang and circular saw offset (distance from edge of blade to the edge of the saw base/guide. See Fig. 2.) Measure from the finished edge of the Covossi countertop at the back and make a mark for the length on the back edge of the countertop including overhang. Mark a line completely across the countertop at the appropriate angle from the back of the countertop to the front.

b. Place masking tape on the bottom of the circular saw base to protect the countertop surface. Using the circular saw, cut all the way through the countertop with the saw's base plate against your guide. (You may need an extra person to hold the off-cut portion of the countertop.) Make sure the edge is straight and clean. If you are creating a seam repeat the same measuring and cutting steps above for the adjacent countertop.

c. End cap install (if needed) - After the cut to size is made, make sure the edge is straight and clean. Using the router and a guide, cut a notch in the end of the wooden core to the depth and height of the end cap. Apply the Covossi adhesive and filler to the dull side of the end cap and one edge. Insert the end cap into the notch in the wooden countertop using clamps, or secure tightly with tape then follow instruction 2b. You may need to ease the edges of the end cap with the sander to remove any sharp areas. (See Fig. 3.)

d. Seaming - Dry fit the seam by placing both countertops onto the base cabinets to ensure the seam is tight and flush. If the seam has any large gaps, use the sander on the cut edge to remove any excess material to make the seam tighter. If the seam is not flush, use shims on the top of the cabinet base to ensure both sides of the countertop seam are level.

Once the dry fit is complete and the seam is tight and flush, hot glue wooden blocks to the top of the countertops on each side of the seam at the front, middle, and back of the seam. Make sure the distance between the blocks are close enough to clamp on the outside of each wood block. (See Fig. 4.) Slide one of the countertops away from the seam to open it up. Apply the Covossi adhesive and filler evenly to both edges of the countertop making sure there is enough to extrude out and fill any voids when the countertop is clamped. Push the countertops back together making sure the seam is tight, and the countertops are in their correct final position. Place the clamps on either side of the blocks that were hot glued to the countertop and gradually tighten the clamps from the front to the back until the seam is tight. (See Fig. 4.) Let the Covossi adhesive and filler cure until completely hardened. The curing process can take up to 90 minutes depending on the temperature and humidity.
Remove the clamps, and gently tap off the wooden blocks. Any remaining hot glue on the countertops can be removed with a putty knife. Using the orbital sander with 220-grit sandpaper, sand the complete seam area until the excess adhesive and filler is removed and the seam is flush and smooth. (See Fig. 5.) Repeat the sanding with the 400-grit paper until the area has the same sheen as the rest of the countertop. Covossi Solid Surface Countertops have a matte finish. For a glossier finish we recommend using a countertop polish similar to Rejuvenate.

Vacuum off the dust and wipe down the countertops with a damp rag. The countertop should be secured to the base cabinets by screwing up through the cabinet frame into the underside of the countertop. (See Fig. 6.)

**Step 3: Cut outs for a sink or cooktop**

a. Using the supplied templates from the manufacturer, place the templates on the Covossi countertop in the desired location making sure the front, back, and side clearances are correct and that no base cabinet structures are in the way. Mark around the template onto the countertop. Using a drill with a drill bit slightly larger than the jigsaw blade, drill a hole just inside the template mark in all four corners. (See Fig. 7.)

b. Place masking tape on the bottom of the jigsaw base to protect the countertop surface. Use the jigsaw to cut along the line of the template. You may need an extra person to support the countertop area being cut out. Once the cut is complete, vacuum off any dust and wipe the area down with a damp rag. (See Fig. 8.)

c. If installing a sink, use the manufacturer provided sink clips, or clear silicone adhesive on the underside of the sink lip to secure.

If installing a cooktop, place heat reflective foil tape on the raw edge of the countertop cut-out, and secure the cooktop with the clips provided by the manufacturer.

Search Covossi Surface on YouTube for installation videos.

If you have any other questions, e-mail Covossi’s customer service department at: info@covossi.com.

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