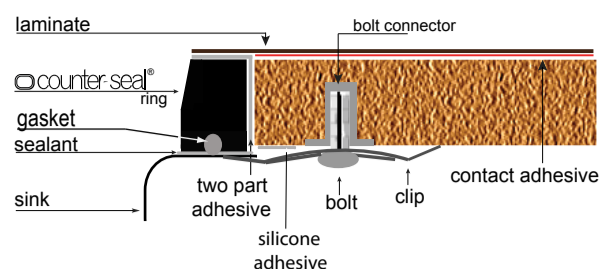


Counter-Seal Corp. Installation Instructions

Counter-Seal® Custom Ring Installing into substrate after laminate applied



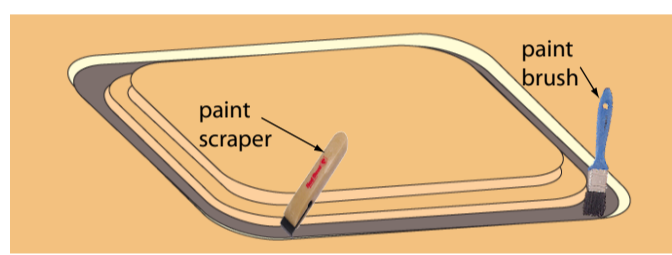
Finished Example



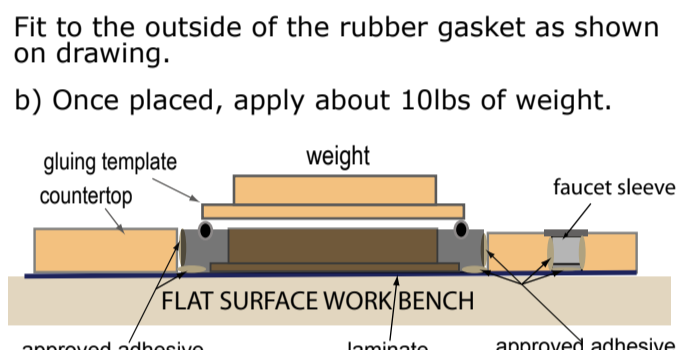
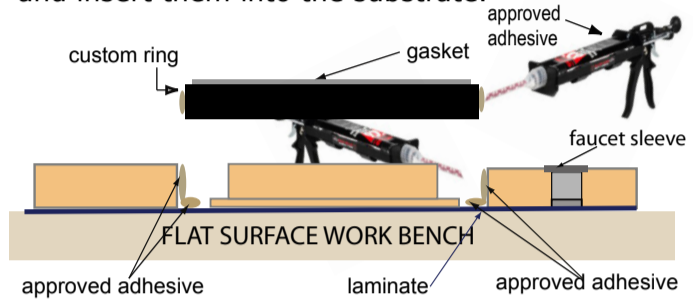
Note:

Before commencing with this method, confirm Counter-Seal® ring to routing template A and sink.

- Determine that template A, the sink, and the ring are correctly matched before proceeding with the application.
- Place countertop on a very flat work bench, laminate side down. Work from the under side of countertop.
 - Determine center line of sink opening. Establish the distance from the edge of the substrate to sink cutout edge. Allow 1/2" for width of ring to front of countertop. (Standard cut out is 3" from front edge plus 1/2" to inside of custom ring).
 - Set template part A and B with center cutout sized to have about 1-1/4" space between the two parts.
 - Clamp or screw template A and B into place.
- Use a plunge router with a 7/8" follower bushing guide and a 1/2" shank 3/4" router bit.
 - Adjust the router bit so the first pass is about 3/8" into the substrate.
 - The first pass should travel counter clockwise on template B. Reverse direction of travel and router clockwise on template A.
- Set the bit to cut within 1/8" of the underside of laminate and follow the same procedure as with the first pass.
 - Determine the exact thickness of the template and countertop; set the router to cut to the laminate. Router around template A clockwise. Leave 1/8" substrate around template B. Route faucet holes and mark insert holes. Remove the template.
 - Clean off residue. Use a 1-1/2" paint brush and apply contact adhesive remover (paint thinner) to the laminate. Don't get outer edge of substrate wet.
 - Use scraper to clean off excess glue and residue left on the substrate. Make sure not to damage the laminate.



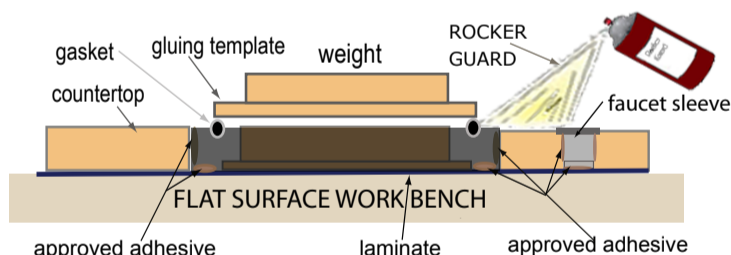
- After adhesive and residue removal is complete, use denatured alcohol (methyl hydrate) and clean the area that was scraped. Make sure underside of laminate is clean.
 - Clean the custom ring with denatured alcohol (methyl hydrate).
- Check to make sure the custom ring fits into the substrate opening before applying adhesive.
- Make a 1/4" template that matches the outside of the gasket on the ring (MUST NOT BE LARGER THAN RING).
- Apply approved adhesive on the laminate around the substrate and around the custom ring as shown in the drawing.
 - Set the custom ring into the substrate.
 - Install the custom ring into countertop, gasket side away from laminate (flat side to laminate).
 - Apply approved adhesive to the faucet sleeves and insert them into the substrate.
- Make sure you finish within the working time of approved adhesive when setting the parts into the substrate. CSC epoxy is 8 minutes at 72° to 76° F (20-22° C).
- After adhesive is applied and the ring inserted visually, inspect ensuring ring is in contact with laminate. Place the gluing template on ring.



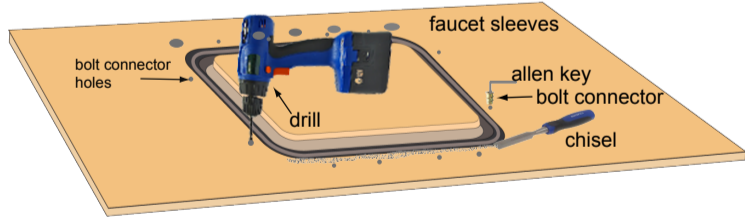
- Once placed, apply about 10lbs of weight.
 - If there are voids fill them with the approved adhesive.
 - Once adhesive becomes rubbery, clean adhesive that seeped around the perimeter of the ring with a scraper or putty knife.
 - The weight and substrate may be temporarily removed at this time.

CONTINUED

- Take a sharp chisel and cut the excess adhesive from the substrate and ring, making sure not to damage the gasket.
 - Take the substrate cutout that fits over the gasket as shown in diagram and place over the ring and gasket.
 - Apply a coating of RUBBERIZED ROCKER GUARD (BEIGE) available at most automotive stores. Apply to cover the substrate fully, about 2-1/2" around the perimeter of the ring up to the gasket for additional waterproofing.



- Using a 5/16" drill bit and drill bit stopper, drill 1/2" deep into underside of substrate at the bolt connector marks previously marked.
- Make sure bolt connector holes are clean of residue.



- Using the Allen wrench supplied, screw the bolt connectors into the substrate.
- Before the countertop is turned laminate side up, take a 1/2" to 5/8" pilot bit and drill through the laminate beside the inside of the custom ring.
 - Turn countertop laminate side up.
 - Route out the inside part of the ring using a straight flush cut bearing bit and set the bearing near the lower part of the ring.



- Use a 12° degree router bit to route the laminate from the inside of ring. If you choose another profile, do not route more than 1/4" of ring.
- Hand sand the custom ring adhering to solid surface fabricating standards, and finish with scotch brite.



Sink Installation Instructions

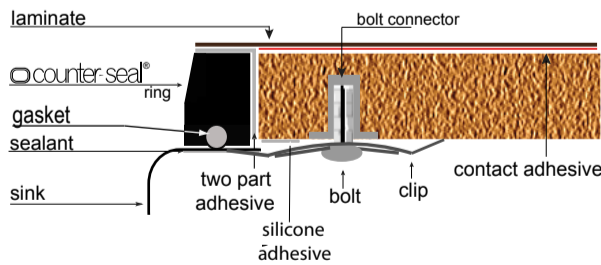
NOTE: Sink must be professionally installed by the Counter-Seal® installer

- Position sink under ring. Some installers find it helpful to bridge sink cavity with a piece of wood and a bungee cord to hold sink up under the countertop sink opening so the sink can be maneuvered with ease.
- Apply a generous amount of SANITARY silicone (mildew resistant) to the topside of the stainless steel sink flange. Ensure that the sealant is applied as one continual bead.
- Fasten bolts and clips loosely BY HAND into bolt connectors starting at the corners; adjust sink to fit ring. Before tightening bolts, apply sanitary silicone to inside of sink between bottom of ring and sink flange.
 - Ensure sealant penetrates into opening between the sink and ring.

NOTE: The Counter-Seal® Sink mounting hardware supplied is the only approved hardware for affixing the sink to the counter top.

- If cabinet design or dimensions restrict the use of all clips, affix sink rigidly in those areas with wood blocking.

NOTE: Ensure bolts are not cross threaded. Finish tightening with screwdriver until clips are compressed close to the underside of counter top.



- For a clean, finished appearance, use denatured alcohol or methyl alcohol to thoroughly clean excess sealant before it cures. (If silicone residue remains, finish cleaning sink with mineral spirits before silicone has dried).
- Finish sink plumbing as usual.
- Drill faucet, water dispenser and soap dispenser holes.

- Determine holes to be drilled from underside of countertop. Drill a pilot hole through the center of hole in the faucet from the underside of the counter.
- Once pilot hole is drilled from top side of countertop, use a 1" - 1-1/4" drill to cut hole.

Alternate Method

At time of installing faucet sleeves (Place a Drill Here Sticker) on the top side of countertop using a template to indicate proper placement of stickers.

Warning:

Failure to follow instructions may cause counter top damage and voids any warranty expressed or implied.

NOTE: Use Counter-Seal® Epoxy or contact CSC for other approved adhesives