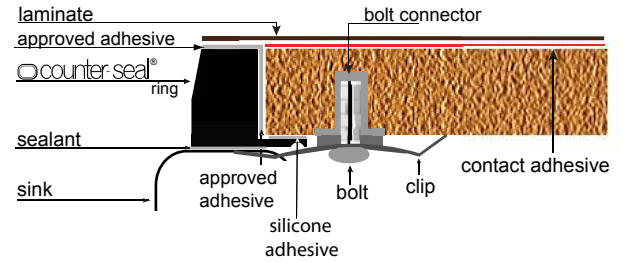


# Counter-Seal Corp. Installation Instructions

## Counter-Seal® Flanged Ring Installing into substrate after laminate applied



### Finished Example




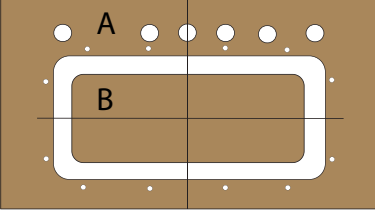
### Note:

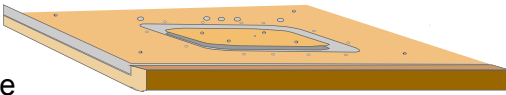
**Before commencing with this method, confirm Counter-Seal® ring to routing template A and B with sink.**


### Installation Instructions

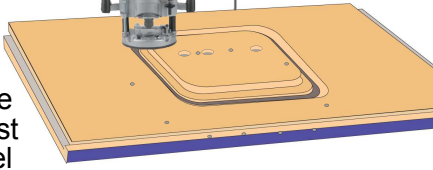
How to Install Flange Ring into substrate after laminate has been applied (including custom flat lay countertops and post form countertops):

1. Determine that template A, the sink, and the flanged ring are correctly matched before proceeding with the application.
2. a) Place countertop on a very flat work bench, laminate side down. Work from the under side of countertop.
 
- b) 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 flange or custom ring).

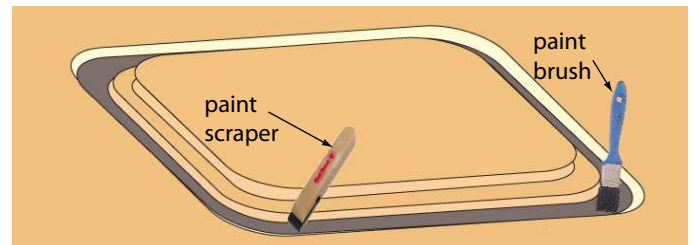
- c) Set template part A and B with center cutout sized to have about 1-1/4" space between the two parts.
 

- d) Clamp or screw template A and B into place.
 

3. a) Use a plunge router with a 7/8" follower bushing guide and a 1/2" shank 3/4" router bit.
 

- b) Adjust the router bit so the first pass is about 3/8" into the substrate. The first pass should travel counter clockwise on the inside of the template. Reverse direction of travel and router clockwise on outside template.
 

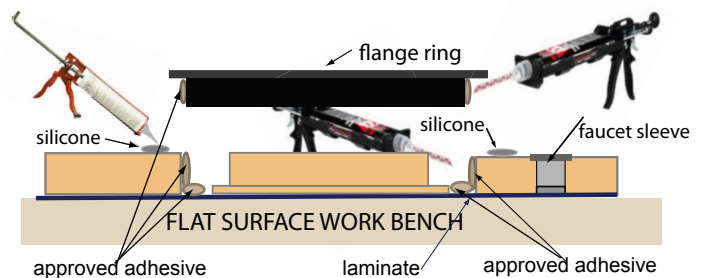
- c) Set the bit down to cut within 1/8" of the underside of the laminate and follow the same procedure as with the first pass.
- d) Determine the exact thickness of the template and the countertop and set the router to cut to the laminate. Router only around the outside template and leave the inside with 1/8" substrate. Cut faucet holes and mark insert holes. Remove the template.
- e) Clean off residue using a 1-1/2" paint brush and apply denatured or methyl alcohol to the laminate. DO NOT get the outside substrate wet. Taking scraper, scrape the excess glue and residue left on the substrate making sure not to damage the laminate.



4. a) After adhesive and residue removal is complete, use denatured alcohol (methyl alcohol) and clean the area that was scraped. Make sure underside of laminate is clean.

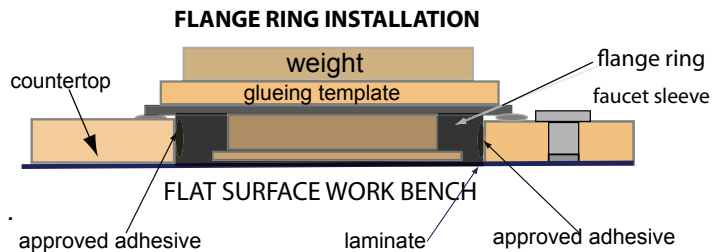
- b) Clean the flanged ring with denatured alcohol (methyl hydrate).

5. Check to make sure the flanged ring fits into the substrate opening before applying adhesive.

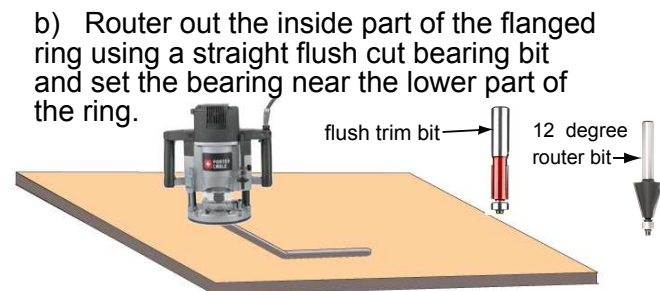


(continued on back)

6. a) Apply silicone all around the perimeter of the flange, on the side that faces the substrate.
  - b) Apply approved adhesive around the substrate and laminate around the flange ring as shown in the drawing. Set the flange ring into the substrate cutout.
  - c) Apply approved adhesive to the faucet sleeves and insert them into the substrate.
7. Make sure you abide by the approved adhesive working time when setting the parts into the substrate. CSC epoxy is 8 minutes at 72° to 76° F (20-22° C).
  8. a) After adhesive is applied and the parts inserted, take the gluing template and place on the flange ring. Place a weight on the top of the flange ring as shown, about 10 lbs.



9. a) Once the adhesive has cured, remove the weight and gluing template.
  - b) Using a 5/16" drill bit and drill bit stopper, drill 9/16" deep into underside of substrate at the bolt connector marks previously marked.
10. Make sure the bolt connector holes are clean of residue.
  11. Using the Allen wrench supplied, screw the inserts into the substrate.
  12. a) 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 or flange ring.



13. Use a slight angle router bit to route the laminate from the inside of ring. If you choose another profile do not route more than 1/4" into ring.
14. Hand sand the flange ring with 180 to 600 grit sandpaper.

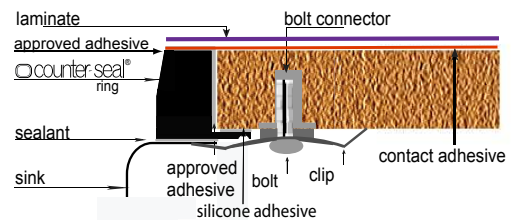


NOTE: Use Counter-Seal Epoxy or contact CSC for other approved adhesives

Authorized user of USA patent#s 5,551,103 - 5,754,991 & 6,349,429 B1  
 CDN patent #2,156,241. PCT/CA 2009/001046 and multiple countries patent pending

Instructions are Copyright of Counter-Seal Corp.

## Sink Installation Instructions



1. 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.
  2. 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.
  3. 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 method of affixing the sink to the counter top
4. If cabinet design or dimensions restrict the use of all clips, affix sink rigidly in those areas with wood blocking or other suitable method.
  5. 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.

### 6. Method 1

Drilling faucet, water dispenser and soap dispenser holes:

a) Determine hole to be drilled from underside of countertop. Drill a pilot hole through the center hole in the faucet sleeve from the underside of the counter.

b) Once pilot hole is drilled, drill from top side of countertop. Use a 1" - 1-1/4" drill to cut hole.

### Method 2

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.