

Worktops, splashbacks
and upstands exclusively
manufactured by

BB
BUSHBOARD



BB **encore**

undermount sinks

The encore undermount sink solution

With our Encore solid surface range you can achieve superb, contemporary styling. Beautiful, sleek surfaces that look and feel stunning, whilst being extremely hard wearing and easy to maintain.

Now you can complete the look with our innovative undermount sink solution.

We've pre-selected a range of popular undermount designs from all the key sink manufacturers. And thanks to Bushboard's clever fitting system, installation time is fast and cost-effective. Which means the whole package is incredibly affordable compared to bespoke or modular routes.

Contemporary styling.
Affordably priced.

Simply order our clever sink clips and special adhesives along with your Encore worktops and accessories. Your installer will need a sink jig set to match your chosen sink, plus a drainer grooving jig if you want to create a worktop draining area. All jigs are once-only purchases and are fully reusable.

Sink clip set

12 special clips with fixing screws. More than enough to fix one sink.

Colour coded sink adhesives

290ml cartridge fits any standard silicone gun and will complete four sinks. Do not use to make Encore worktop joints. The sink adhesive may also be used as a coloured sealant for upstands and splashbacks.

Sink installation jig sets

One pair of reusable router jigs unique to each sink model. Please specify when ordering. One face jig & one back jig - flip over for left or right handed sinks.

Drainer grooving jig

Reusable drainer jig enabling the installer to cut horizontal drainer grooves. Jig includes two, handed, dog-leg slots and one straight slot.

Important - Bushboard Encore sink clips, adhesives and jigs are not suitable for use on any other solid surface materials. If so used, this will void manufacturer's guarantees and product support agreements.

Our jig systems our suitable for use with the following sink models. Please purchase your chosen sink from your usual supplier.



ARX160



Lavella 150U



Opal S3



UB3515



RF302S



Supreme 533



100091430



Anthracite



Storm



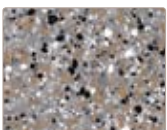
Cinnamon



Pearl Grey



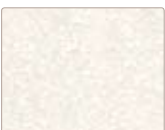
Flint



Lava



Calico



Glacier



Installation guide



Essential tools and materials

Special Encore undermount reusable jigs: Each undermount sink has a unique set of two jigs developed by Bushboard specifically for that model. Each reusable jig is designed to form the cut-outs on either the face or the back of the worksurface. The jigs can be flipped over to create left or right hand cut outs.

G-clamps: Use four clamps to secure the jig.

Hand router: Use at least a 2000 watt electrical power-rated router with variable rotation speed facility. The rotational speed of the router must be set to at least 18,000 RPM. Ideally use a router with an accurate plunge depth setting facility. We strongly recommend the router be fitted with dust extraction, especially when forming drainer grooves.

Router guide bushes: Standard 30mm and 40mm guide bushes are required to form cut-outs.

Non-original guide bushes may need to be reduced in height to suit the jig thickness.

Router cutter: 1/2 inch x 50mm. To form both face and back cut outs.

Use high quality double flute tungsten carbide tipped cutters.

We recommend a Titman H122 router cutter.

Edge profile cutter 3mm radius: To profile the inside edge of the final sink cut out.

Use high quality double flute tungsten carbide tipped cutters.

We recommend the Titman ROCB3 profile cutter.

Palm sander: Use at least a 500 watt power rated sander with at least a 2mm sanding stroke.

Drainer groove reusable jig: Use to form horizontal draining grooves in the Encore surface. Each reusable jig includes two dog-leg slots and one straight slot enabling the installer flexibility in groove positioning, layout and length.

Drainer groove cutter: Use 1/2 inch diameter, bottom-radius cutter.

Use high quality tungsten carbide tipped cutters.

We recommend the Trend CO54 cutter.

Electric drill: Suitable for general drilling operations.

Use 3mm wood bit to pilot drill for sink clip screws.

Encore undermount sink fixing clips:

Only use fixing clips that have been uniquely developed for Encore. Tighten by hand and lock off by spanner.

10mm spanner: Use to lock off sink clips. Do not use to tighten the sink clips.

Imanol solid surface cleaner: Use to clean both mating surfaces of the sink and the Encore worksurface prior to assembly. Imanol is included in the standard Encore installation kit. Apply with bleached lint free wipes.

Encore colour coded sink adhesive: 290ml cartridge fits a standard silicon gun and completes four sinks. The shelf life of an unopened cartridge is 12 months.

Do not use to make Encore worktop joints. Do not use Encore joint adhesive to fix sinks.

Non metal scraper: Use an appropriate soft scraper to remove excess sealant at the joint between the Encore surface and the sink without scratching the stainless steel. A strip of laminate is ideal.

White Spirit: Use sparingly to clean off overspills of the Encore sink sealant.

Encore installation kit: includes all sanding and cleaning consumables and Countertop Magic polish. One kit is necessary for all Encore installations. However, there is no need for a second kit where a sink is installed.



Installation

Calculating centres

We recommend that you calculate and work from the actual sink centre as opposed to the bowl centre. Sink centres will always line up with cut-out jig centres.

Forming the face cut-out

We recommend working on trestles near the final position of the sink installation. Also use a rigid support board to provide support as you work through each process, because the worktop will become weakened as the cut-out is formed.

Start by making the full depth cut-out in the face of the worktop using the 'FACE' jig. Work with the worktop face up.

Using a pencil, mark out the sink centre onto the Encore worksurface.

Ensuring the jig handing corresponds with the desired sink handing centralise the 'FACE' jig and clamp in place using four G-clamps, one at each corner.

Using a 30mm guide bush and 1/2 inch router cutter, form a full depth cut-out, ensuring the waste section is supported to prevent damage as it falls away. Router cut in three stages of 15mm depth each.

Using a router or hand trimmer fitted with a 3mm radius profile trimmer, profile the inner edge of the cut-out. The finished inner edge profile and any draining grooves must be completed before turning the worktop over to work the back face. Sand and finish the cut-out inner edge using a palm sander and 320 grit sand paper followed by grey Scotchbrite. We recommend finishing the internal radii by hand.

If no drainer grooves are required, next follow the surface sanding process for Encore worktops around the entire sink area now to eliminate the need to sand and possibly damage the final installed sink later. However do not apply Countertop Magic until the entire installation is complete. Then move on to the section titled "Forming the back clearance cut-out" on page 6.

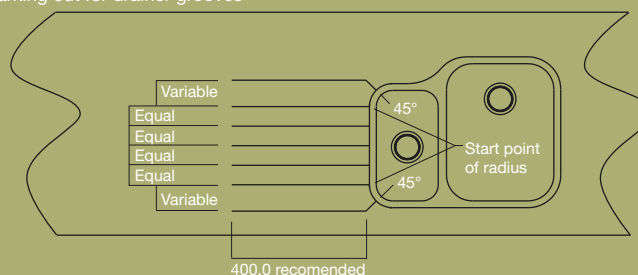
Forming drainer grooves

Encore material is compression moulded, reinforced and 5mm thick and following our instructions and depths will produce an excellent finish. Use good quality cutters and work smoothly for an excellent finish. Sharp cutters will reduce final finishing time. Always form grooves after the cut-out inner edge has had the 3mm profile applied, but before the back face has been machined to remove the waste chipboard.

Marking out drainer groove centre lines

Refer to the drawing below left for our recommended layout. However the jig allows the installer to design different layouts with more or less grooves, full length or shorter grooves, with or without dog-legs. To aid design flexibility the universal drainer groove jig is designed to form one groove at a time and includes left and right hand dog-leg slots and one straight slot.

Marking out for drainer grooves



Using a pencil, mark out groove centre lines ensuring they are parallel to the front edge of the worktop. Laying masking tape on the surface prior to marking out centres may aid visibility.



Cutting drainer grooves

Centralise the required slot in the jig over the previously marked out centre line and firmly clamp in place using four G-clamps.

Use a hand router fitted with a 30mm guide bush and a Trend CO54 radius cutter. Accurately set the plunge depth to 2mm (+/- 0.2mm). Never cut deeper than 2.2mm.

Starting from the farthest point from the sink cut-out, plunge the router and run smoothly along the jig and back to produce the groove. Smooth use of the router will minimise hand sanding after completion.

Repeat the steps above to complete other grooves.

Finishing drainer grooves

Sand the drainer grooves by hand using 240grit, 320grit and finally grey Scotchbrite. Be careful not to over sand the edges, whilst taking care to maintain the routered groove shape.

Next follow the surface sanding process for Encore worktops around the entire sink and drainer area to eliminate the need to sand and possibly damage the final installed sink later. However do not apply Countertop Magic until the entire installation is complete.



Forming the back clearance cut-out

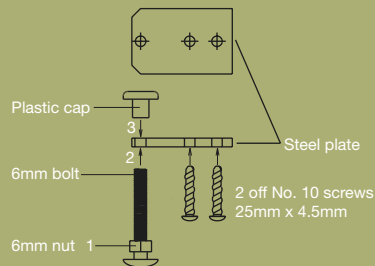
Using a rigid support board to strengthen the worktop and cut-out, carefully turn the worktop face down.

Accurately centralise the 'BACK' jig to the cut-out on the back of the worksurface, clamp in place using four G-clamps one at each corner of the jig. Ensure the jig handing corresponds with the cut-out. Take care to protect the face material from the clamps using a soft packer.

This next stage removes waste chipboard, leaving a solid surface sink overhang. Accurate setting of the router depth stop to the exact depth is vital.

Accurately measure the total thickness of the worksurface and the jig. Accurately set the router cutter depth to the total thickness as measured less 4.5mm. Set and lock the depth stop.

Waste removal has two stages using two different guide bushes.



Stage one - use a 40mm guide bush and standard 1/2 inch router cutter to cut back the chipboard.

Stage two - use a 30mm guide bush and standard 1/2 inch router cutter to further cut back the chipboard to the final finish.

Best results are achieved cutting in three depth stages, taking care to keep the router cut vertical during each cut.

If necessary carefully scrape or chisel away any uncut ridges of chipboard.

Thoroughly remove all loose dust or debris.

Test fit the sink and sink clips

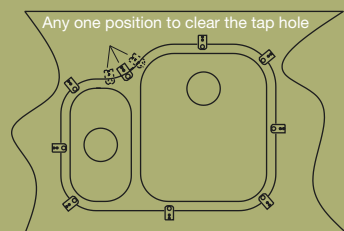
Before commencing work ensure that the mating face of the chosen sink is flat and not deformed. A deformed edge is unlikely to be pulled flat during installation due to the strength of the steel. Applying excess pressure to remedy a deformed sink is likely to damage the sink or the surface. Installing a deformed sink may not produce the expected neat seal between the steel and the solid surface overhang.

To check the sink fit, a test assembly is necessary. Place the inverted sink into the cut-out to confirm it centres when viewed from the face and clears the surrounding chipboard from the back.

Assemble the sink clips following the recommended drawing (left). Sink fixing clips must be centralised on all radius corners. Use at least nine clips for a 1.5



bowl steel sink. Assemble the sink clips and drill 3mm diameter x 10mm deep pilot holes in the worktop back face for the screws. Consider the position of any tap hole when positioning sink clips.



It may also be necessary to recess the clips into the back face of the worktop to clear carcass tie-rails or gables. Hack-sawing bolt heads off after the lock nuts are tightened will provide further clearance if required.

At this stage we recommend overflows are trial fitted to assure clearance from the surrounding worktop. It may be necessary to cut clearance around the overflow.

Once satisfied with the final fit and clip location, remove all clips and the sink in readiness for final installation.

Final sink installation

The following process can take place either face up or face down. For ease, face down is best but care is needed to ensure

the sink is centered in the cut-out when viewed face up.

Using Imanol and lint free bleached wipes, thoroughly clean the two mating faces of the sink and work surface.

Apply an unbroken, 4mm diameter bead of Encore colour coded sink adhesive to the outermost edge of the sink mating face. Follow with a similar bead to the mating face of the solid surface overhang within the sink cut-out.

Gently place the sink in position applying gentle pressure all round to ensure the sink is fully bedded and adhesive squeezes out on both back and face edges of the cut-out.

Re-affix the sink brackets, tightening the self tapping screws fully.

Centralise the sink and then hand tighten the sink clip bolts. Do not use a spanner to tighten the bolts as over-tightening will cause damage to the sink and the work surface. Finally, lock off the locking nuts with a spanner.

Remove excess adhesive immediately using an appropriate soft non-metal scraper with a square corner. Spills and smears can be cleaned off using a minimum amount of white spirit on a lint free bleached wipe.

Do not use water until the adhesive has fully cured. The sink may be used after a 24 hour cure time has elapsed.

Seal all bare chipboard faces of the sink cut-out using high modulus silicone or waterproof PVA.

Tap holes

Cut tap holes through the intact Encore worktop ensuring that the full chipboard substrate is in place to support the tap.

Position the tap as necessary, ensuring any sink clips have previously been positioned to clear the desired tap plumbing or hole.

Cut the tap hole using a suitable hole-saw of the correct dimension to suit the chosen tap.

Fully seal the exposed chipboard within the tap hole with high modulus silicone or waterproof PVA. Ensure the tap is installed using its seal, grommet or O-ring to prevent moisture entering the tap hole. We recommend the application of additional high modulus silicone to further seal the tap body to the work surface face to prevent water penetrating the tap hole.

We recommend the installer take time to seal the tap hole well. With the heavy use a tap can undergo, it is best practice for the installer to ensure excess sealing to prevent future problems from leaks or condensation on the cold water feed. Adequate prevention from moisture entering the tap hole is the responsibility of the installer.

For technical support on Bushboard products,
please contact the Customer Service Team on:
tel: 01933 232 272
fax: 01933 232 286
email: samples@bushboard.co.uk
or log onto www.bushboard.co.uk

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