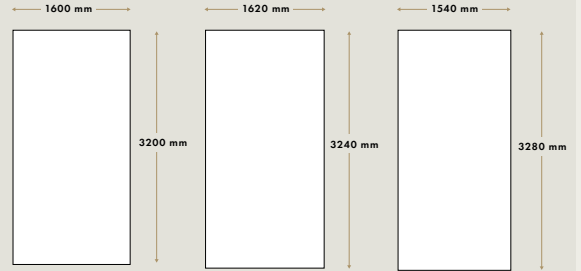


Porcelain slabs provide the perfect surface for high performance worktops, kitchen islands and countertops. The following guide will help you design countertops, waterfalls and breakfast bars and ensure your design is within specification. Vein matching and bookmatching is included as standard during the design process for the kitchen applications mention in this guide.

1

Formats

Depending on the slab manufacturer, and the colour and thickness selected the slabs come in various formats. Therefore, it is important to check the original dimensions of the slab before starting your design. Note that smaller formats can be used if necessary requiring additional joints. Note that 12 mm slabs are not rectified.



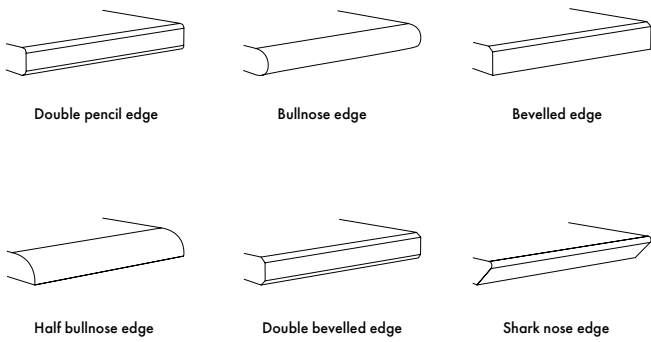
Kitchen applications

Slab thickness & application	6 mm	12 mm	20 mm	30 - 100 mm (fabricated)
Countertop	✗	⚠	✓	✓
Island countertop	✗	⚠	✓	✓
Island waterfall	✗	⚠	⚠	✓
Kitchen island panels	⚠	⚠	✓	⚠
Splashback / upstand	✓	⚠	⚠	⚠
Breakfast bar	✗	✗	✗	⚠
Shelf	✗	✗	✗	⚠
Cabinet fronts	✓	⚠	✗	✗

✓ Recommended ⚠ Possible ✗ Not recommended

3

Countertop profiles



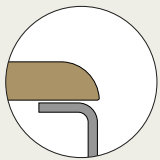
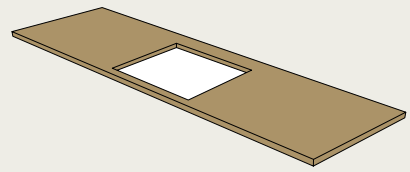
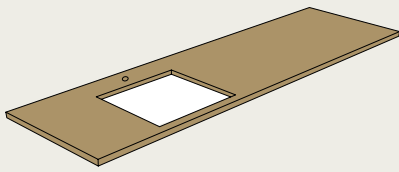
Non-exposed edges
No edge polishing is required.

Exposed edges
To improve the impact resistance of exposed edges on worktops and islands, always use one of the profiles shown.

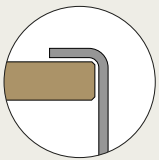
Sink cut-outs

4

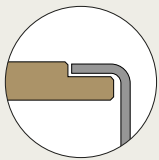
Hob cut-outs



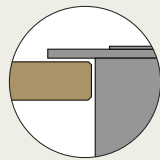
Under-mounted sink (glued)



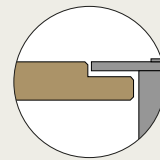
Top mounted sink



Flush-mounted sink



Top mounted hob



Flush-mounted hob

⚠ Applicable to TM¹² and TM²⁰ only.

5

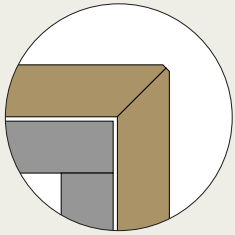
Overhangs

If the countertop has been design to have an overhang with no support beneath, it is essential to follow the guide below even when one end is fixed to the wall.

The possible size of the overhang area will depend on the presence of cut-outs for sinks or hobs, and the thickness of the material used. Following the values in the table shown below.

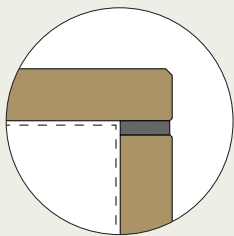
Waterfall joints

6

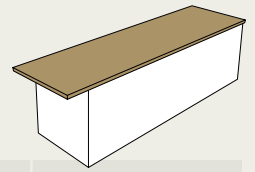
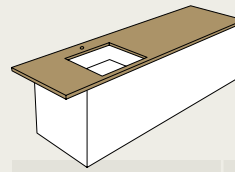


Waterfall mitre joint

For the mitre joint, the waterfall edge must be attached to the base unit and thickness must be the same as the thickness of the worktop.



Waterfall butt joint
Waterfall leg must be fully attached to the base.



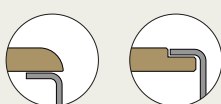
Overhang with cut-out	Slab thickness	Overhang without cut-out
90 mm	12 mm	200 mm
200 mm	20 mm	300 mm
200 mm	30-100 mm (fabricated)	400 mm

⚠ We highly recommend that once installed, countertops are not overloaded with heavy objects or by standing on them, particularly the countertop overhang.

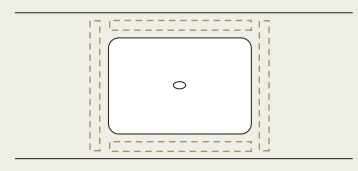
Installation

In the case of flush-mounted and under-mounted sink installation, we recommend attaching a supporting structure to the base unit. This support structure should be positioned to take the weight of the sink (when full with water) rather than this weight being borne by the countertop itself.

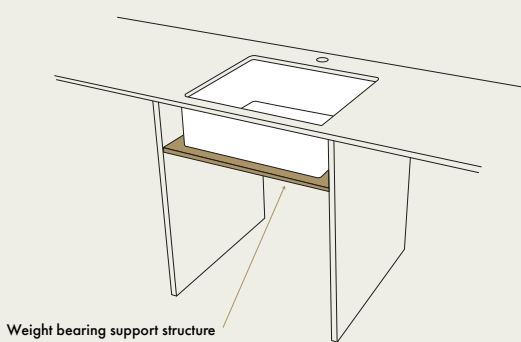
We also suggest reinforcing the underside of the countertop, around the perimeter of the sink with cutouts using an epoxy resin adhesive.



Under-mounted and Flush-mounted sink



Reinforce perimeter where highlighted



Weight bearing support structure