SIMPLYCERAM®

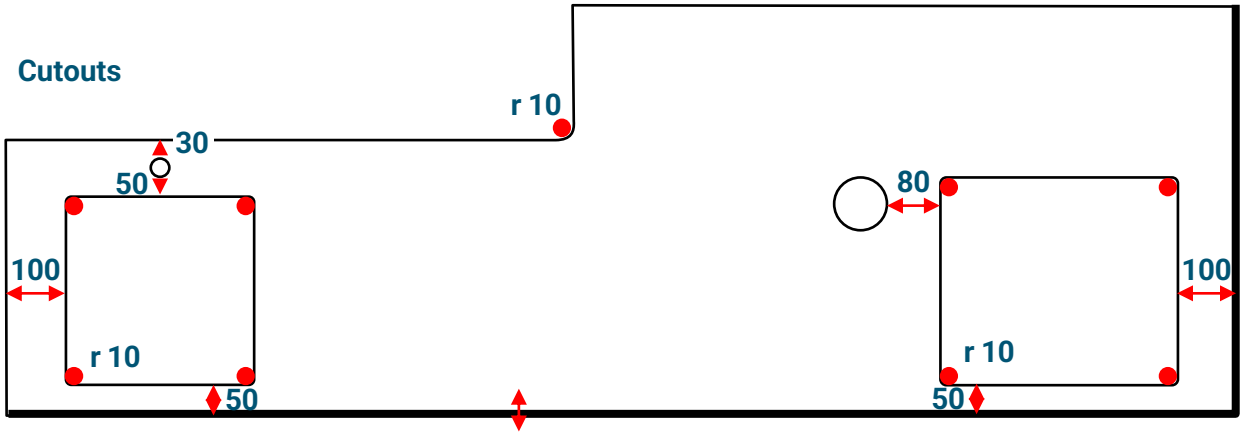
INFORMATION SHEET

PATENT PROTECTED

- **HIGH TEMPERATURE RESISTANT**
- **IMPACT RESISTANT**
- **SCRATCH RESISTANT**
- **STAIN RESISTANT**
  ISO 10545-14 CLASS 5
- **HYGIENIC**
- **WATERPROOF**
- **LIGHTWEIGHT**
- **100% RECYCLABLE**
- **COLOUR FADING RESISTANT**

Installation Video

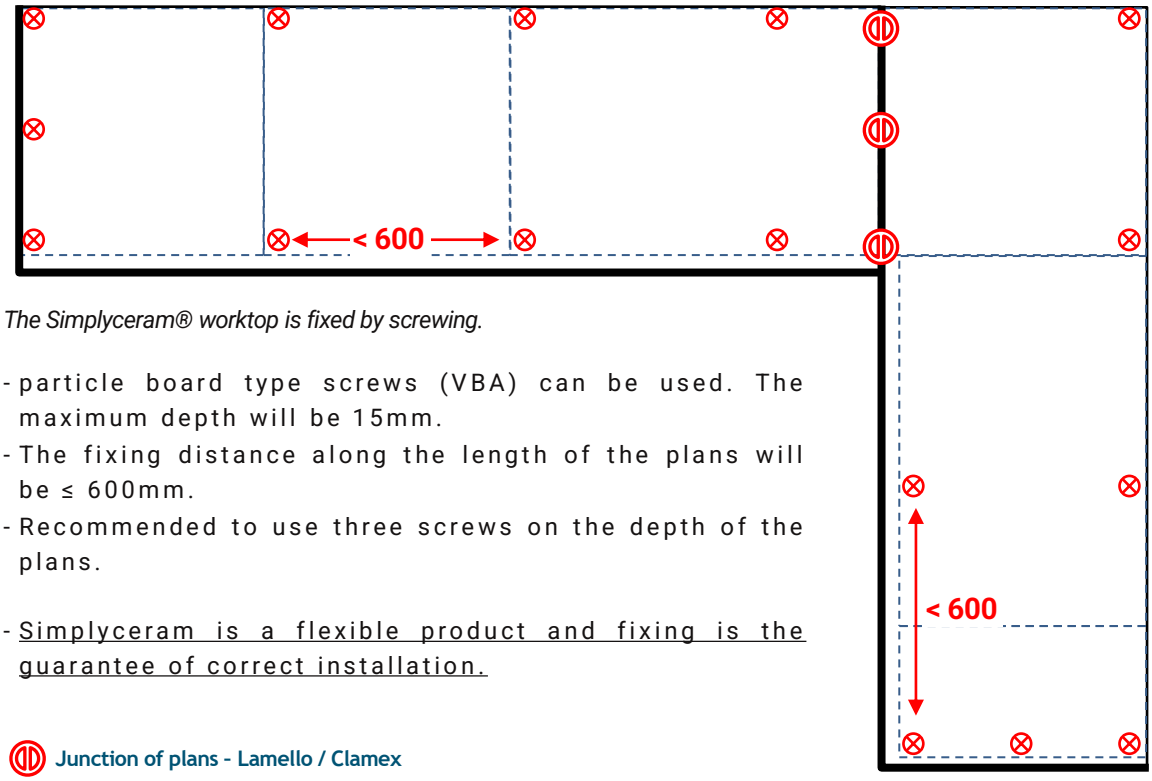
1. Cutouts



- The minimum distance between a cutout:
  - a) Sink and tap hole: 50 mm
  - b) Cooking plate and electric socket on the worktop: 80 mm
  - c) Sink and cooking plate: **100 mm**
  - b) Cooking plate and hole: **80 mm**
- The minimum distance between the side edges and a cut: 100 mm
- The minimum distance between the front edge and a cut: 50 mm
- The minimum distance between the edge of the plane and the tangent of a hole: 30 mm
- All cuts must have a minimum radius of 10 mm

Recommendations:
Before starting the cutting, drill all corners with a minimum 10 mm diameter drill. To cut, lower the saw blade with a minimum speed on the surface 10 mm/min. Make sure the blade is sharpened and at maximum cooling
Radii:
On all cuts in the Simplyceram® is mandatory to make a minimum radius of 10 mm. It is advisable to make as large spokes as possible, as allow greater resistance to your Simplyceram® worktop.

2. Fixing the *Simplyceram®* Worktop



The Simplyceram® worktop is fixed by screwing.

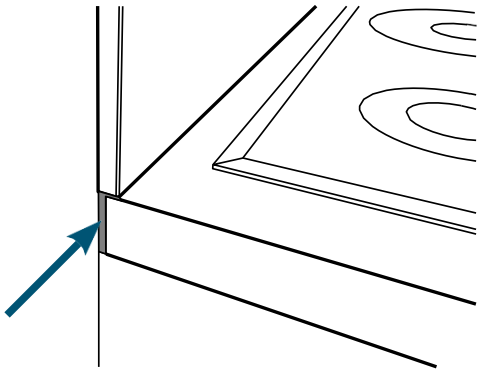
- particle board type screws (VBA) can be used. The maximum depth will be 15mm.
- The fixing distance along the length of the plans will be ≤ 600mm.
- Recommended to use three screws on the depth of the plans.

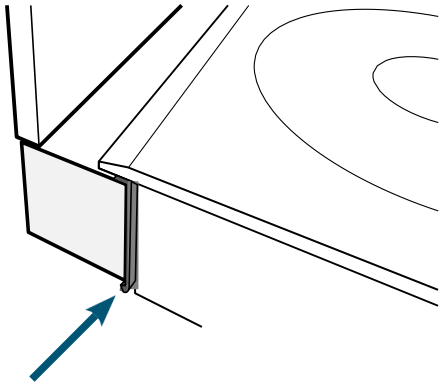
- <u>Simplyceram is a flexible product and fixing is the guarantee of correct installation.</u>

Junction of plans - Lamello / Clamex

Fixing of planes - screws

3. Joints and Connections





Worktop

-Due to the irregularities of the wall and possible structural movements of the building, it is recommended to leave an expansion joint around the plan against all walls of 3 mm

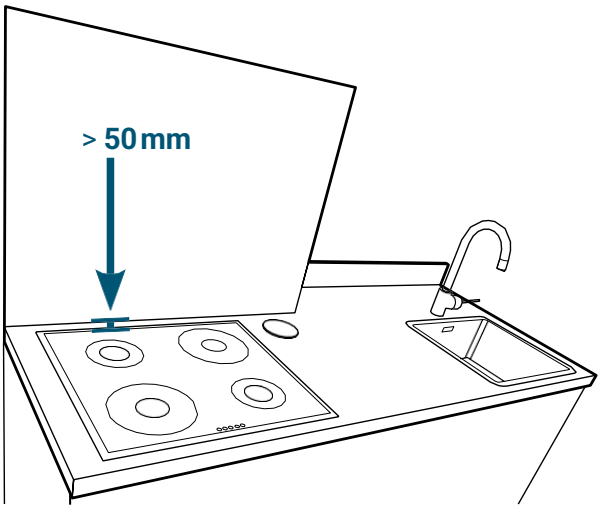
-The expansion joint must be filled with silicone or flexible glue. The joints between the backsplash and worktop will be sealed with a silicone cord or flexible glue.

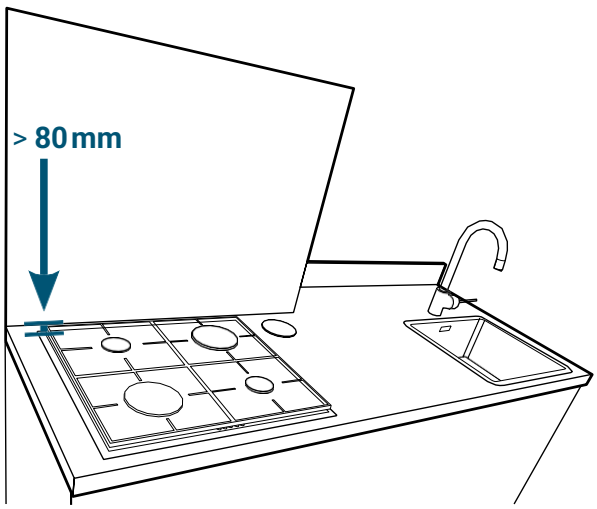
Cooking plate installation

- Leave a 5 mm margin between the cutout and the cooking plate

*The application of Simplyceram® thermal band protection is **obligatory** for all different types of cooking plates.*

4. Plaques de cuisson

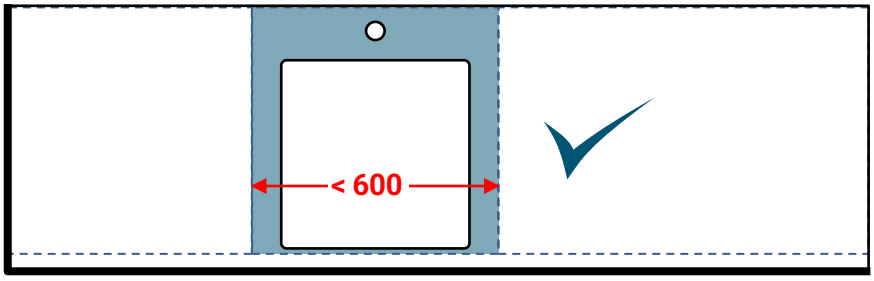


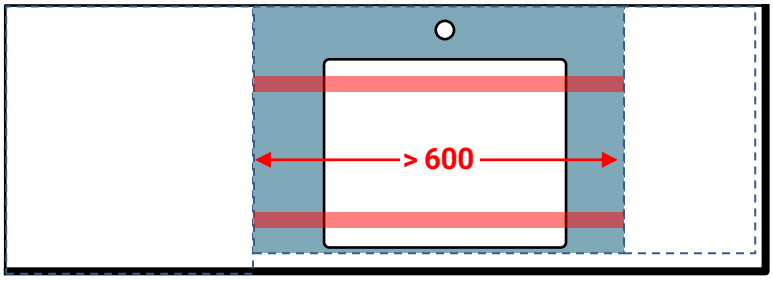


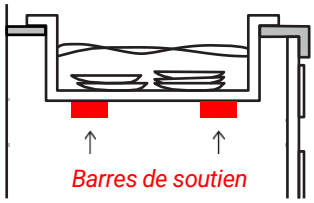
-The minimum distance between an electric or induction cooking plate and the wall or backsplash/backsplash: 50 mm

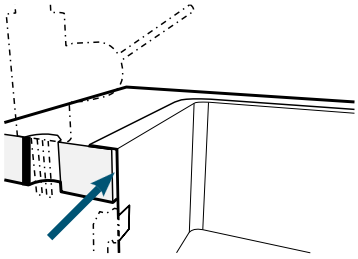
-The minimum distance between gas hob and wall or credenza/backsplash: 80 mm

5. Sink installation



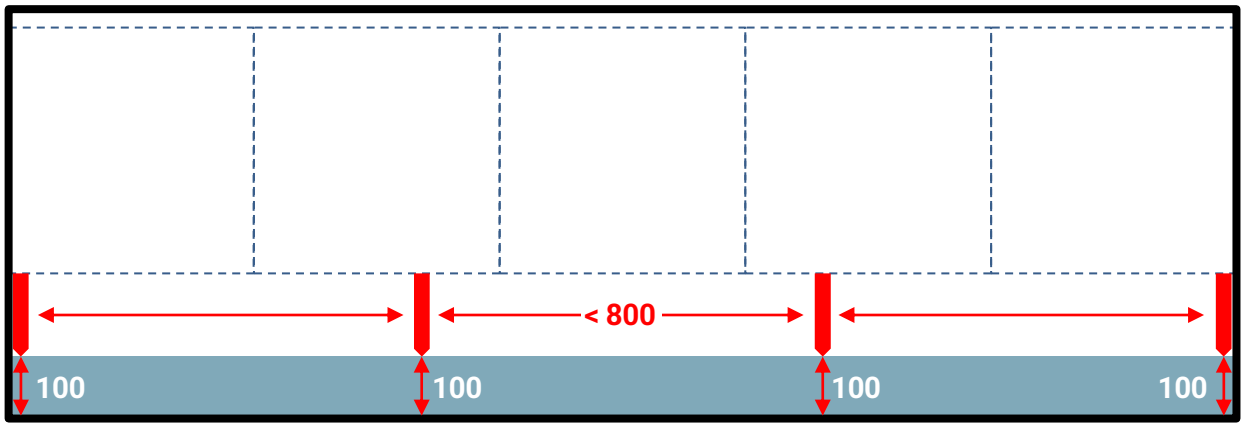


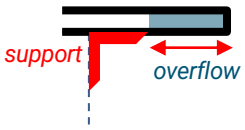




- Leave a 5 mm margin between the cutout and the sink
- Make sure that the cabinet supports the cutouts properly.
- Use the sinker support bars

6. Plan overflows



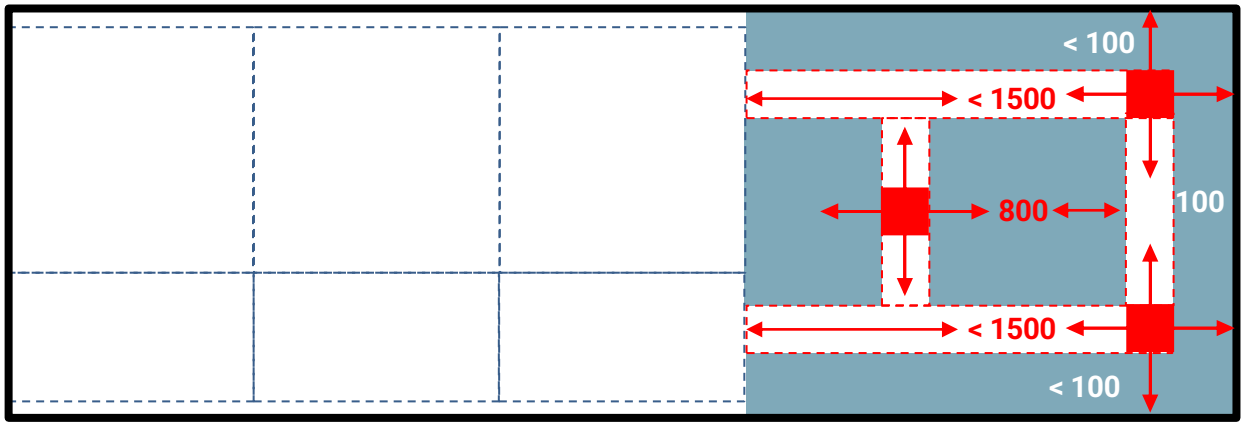


- Maximum overflow without support:
  a) Simplyceram® 44mm: **200mm**
  a) Simplyceram® 24mm: **100 mm**

Simplyceram® worktops, extended from the front of the furniture, are called overflowing plans.

It is important to take into account that worktops with an extended overhang may require additional fixing support

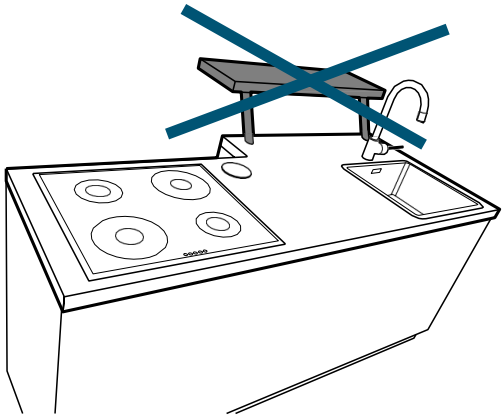
7. Tables



Available if:

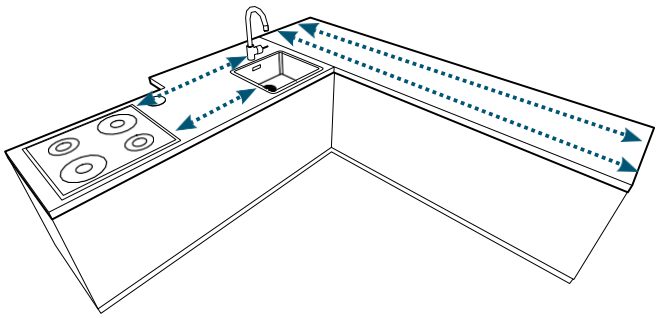
- If there is a metal structure along the entire length of the worktop on each side and that lays on legs or frame to guarantee fullness in the table– **a metal frame is obligatory –** a minimum frame of 30x30mm is recommended
- In the metal structure, there must have support crossed every 800 mm
- For other types of installation, contact via info@simplyceram.com

8. Snack table



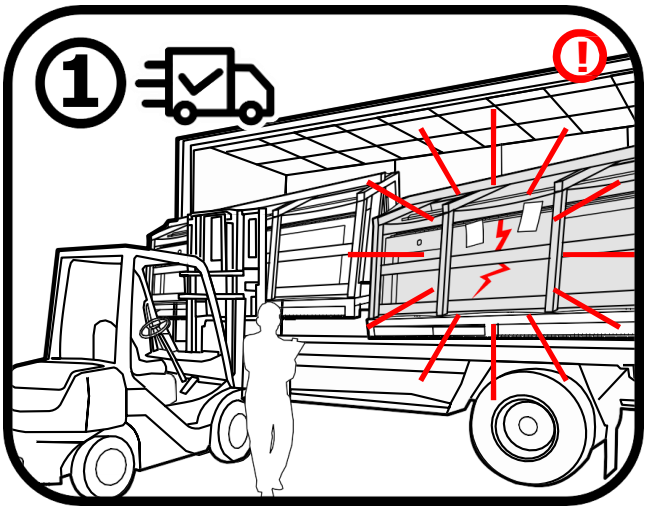
Snack table is not available!

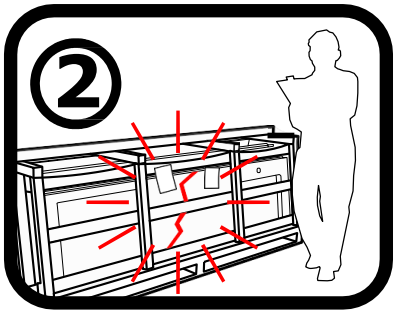
9. Vein colors



Assembly and delivery form in veined colours

10. Unloading and transport





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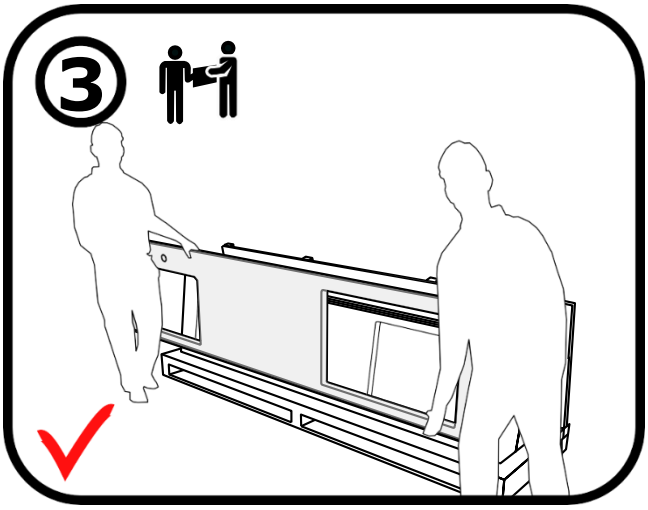
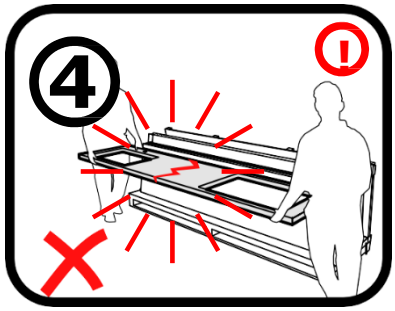
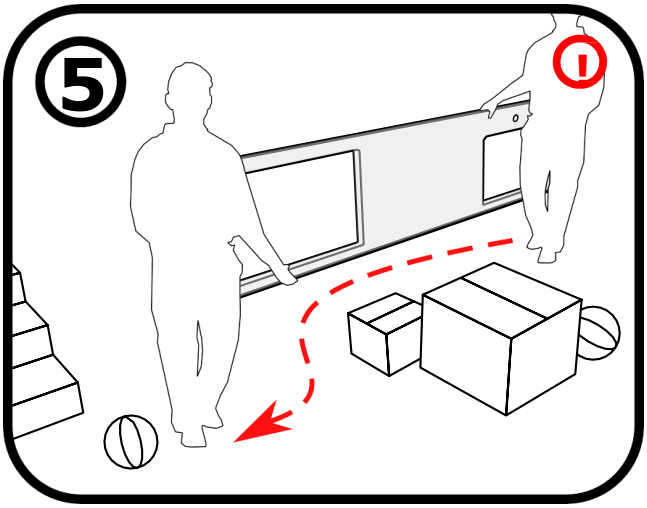
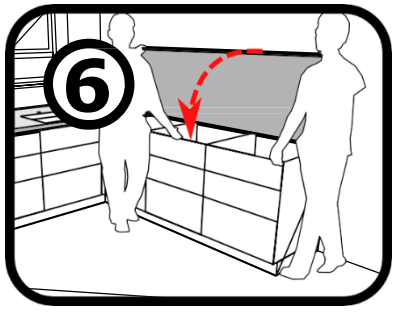




VERTICAL TRANSPORT ONLY

TRANSPORT VERTICAL UNIQUEMENT





ATTENTION TO OBSTACLES - CALL US FOR QUESTIONS

ATTENTION AUX OBSTACLES - APPELEZ-NOUS POUR DES QUESTIONS

Rough Opening Guidelines Manual

1. Measure, position, and mark the location of the opening on the benchtop;
2. Apply cooling gel to the marked area and use a 20 mm core drill bit to make the opening;
3. Repeat step 2 on the remaining three sides;
4. Using a 160 mm diameter Simplyceram disc, use a plunge saw to cut between the openings;
5. Repeat step 4 on the remaining three sides;
6. Use a hand knife to cut the remaining polycore section near the corner openings;
7. After removing the cut Simplyceram material, smooth the edges with a G200 sanding block.

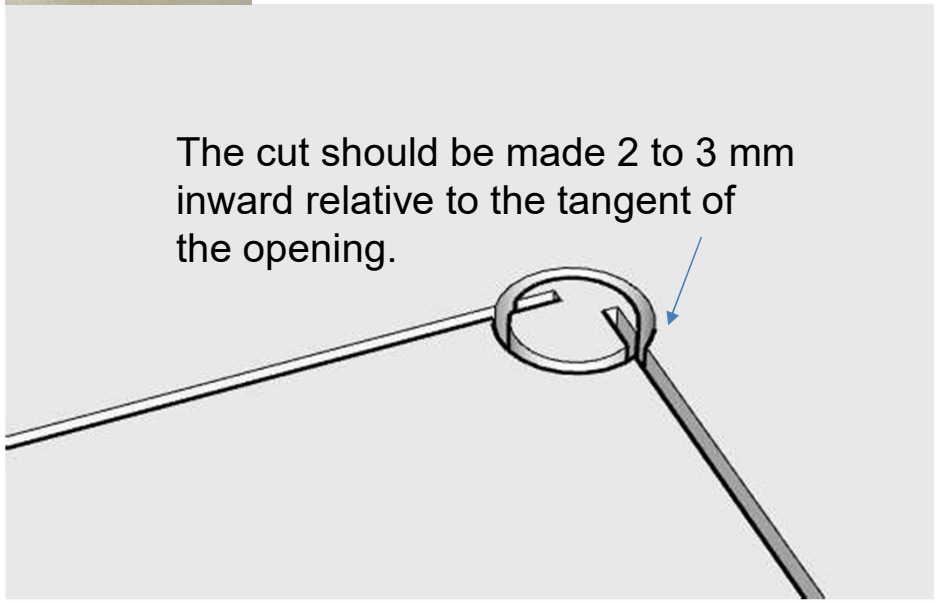
SIMPLYCERAM®

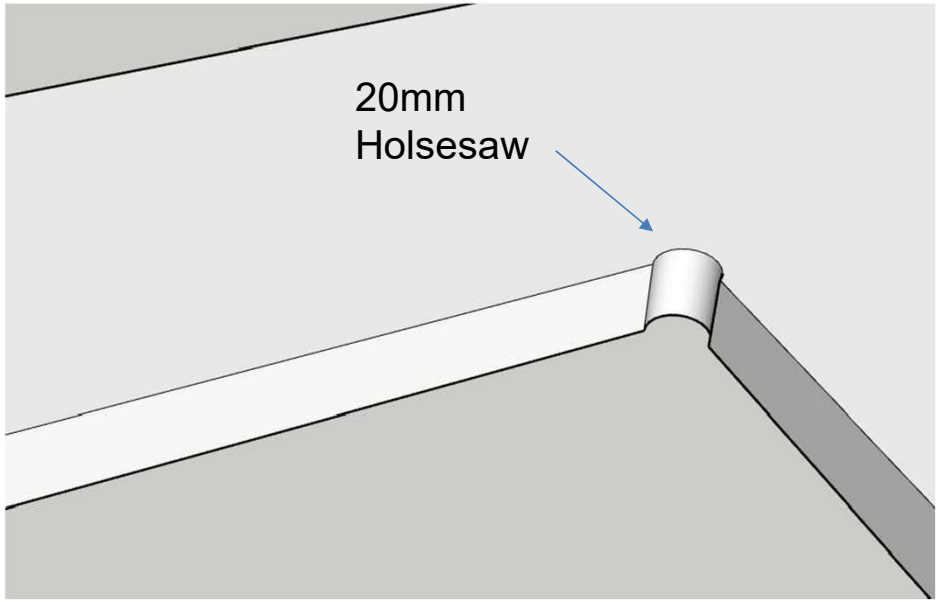
Procedure for 45° Mitre Joint Bonding:

1. Cut the benchtops at a 45° mitre;
2. Fill with seal and bong (PU Glue) the Polycore (grey area);
3. Fill the edges of the ceramic with color-matched silicone;
4. Respect the drying time recommended on the packaging;
5. Sand the edges with G120 sandpaper;
6. Finish with G220 sandpaper or finer, for example G300.

SIMPLYCERAM®

Use this knife to cut the remaining Polycore



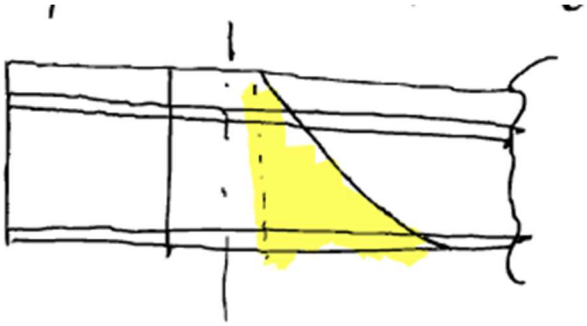


CNC

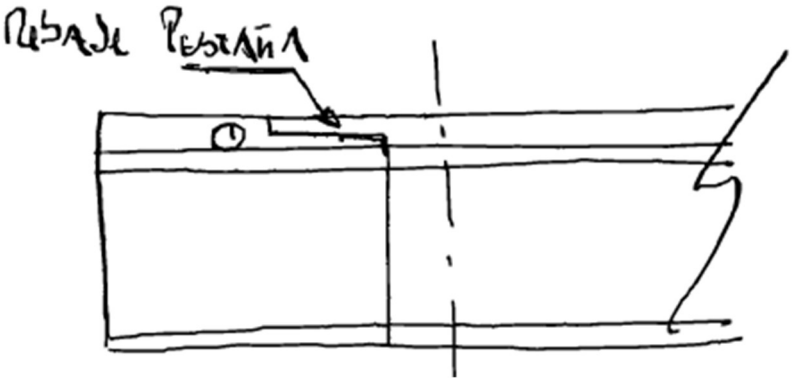
1 - Disc D250mm – 3500 RPM – advance 1m/min
Disc D160mm – 4700 RPM – advance 1m/min

2 - Milling cutters – Rough, finish and chamfer – 7200 RPM
Z advance while cutting porcelain – 0,1 or 0,2mm/passing
X and Y advance 1 to 2 m/min

2.1 – Rough opening to stoves or sinks
Fastest process (10 to 12 min.)
- 4 holes with the 20mm Simply Holesaw in each corner; use the plunge-cut saw between the holes (160mm Simply disc);
- Turn down the worktop to cut off the bit of Polycore left from the disc.



2.2 – Flat sink (40 min.)
2.2.1 – Do the opening like above;
2.2.2 – Use the rough milling cutter to cut 0,1 or 0,2mm/passing – advance in Z.



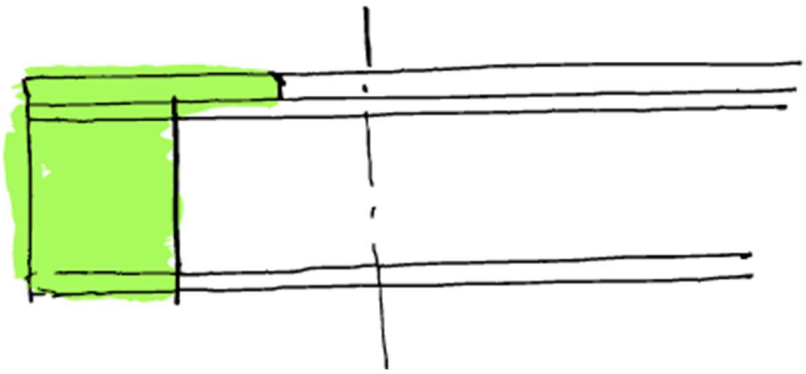
If necessary use the Finish milling cutter or the chamfer cutter for the porcelain

2.3 – Under the Worktop

2.3.1 – Do a rough opening;

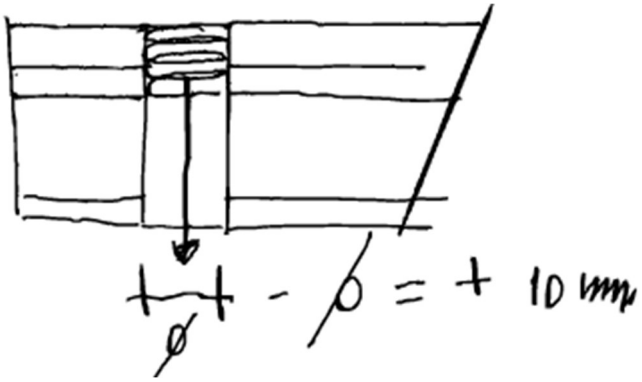
2.3.2 - Use the Chamfer cutter;

2.3.3 - Turn the worktop down (porcelain down, fiberglass up) and cut until porcelain with the rough milling cutter; Advanve in X, Y and Z like MDF. At the last passing lower the speed to 1m/min.



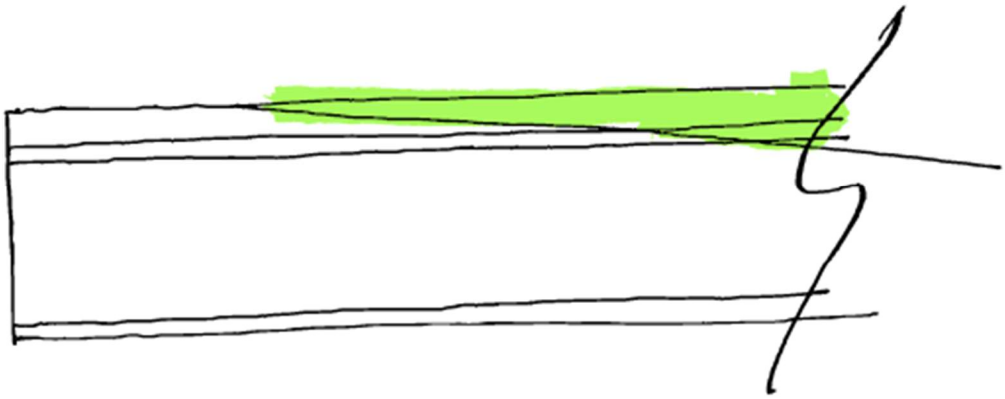
3 – Alternatives for the entrance of the Rough milling cutter (while cutting porcelain)

3.1 - Helical Incremental. Speed Z = 0.1/0.2 m/min;
Speed X/Y = 1 or 2 m/min



Diameter oft he hole with more 10mm than the Rough Milling Cutter

3.2 3.2 - Linear incremental – Untill passing trough the porcelain
Speed Z = 0.1/0.2 m/min;
Speed X/Y = 1 or 2 m/min.



Notes:

- air inflation in the cone to cool the tool;
- Vacum of while cutting porcelain;
- Vacum up while cutting porcelain;
- Hold the piece well in the suction cups. With vibration comes bad cuts.