EDISON STONE®

Bridge Saw Fabrication Guide – Sintered Stone

1. Purpose

To maximise the use of Edison Stone slabs (3200×1600×20mm and 3200×1600×12mm) and meet a wide range of design needs, proper cutting methods are essential. These guidelines help ensure product quality, reduce risk of slab failure, and support safe, accurate fabrication.

2. Pre-Fabrication Checks

- Ensure the cutting table is level and free from irregularities.
- Check that the cutting disc is in good condition and is a suitable diamond disc for porcelain and sintered stone.
- Use plenty of water during cutting to cool the area and suppress dust.

3. Cutting Speed

When using discs, ensure entry and exit cuts are performed at 50% of normal cutting speed. Maintain full speed only between slowed entry/exit zones (approx. 200mm).

4. Slab Preparation

Machine off approximately 20mm from each slab edge to de-stress the slab.

5. Cut-Out Procedure

- Maintain a minimum of 50mm between the edge of the slab and any cut-out location.

- Drill holes at each of the four corners of the cut-out before making straight cuts. This prevents cracks from propagating outward.
- Make the straight cuts starting from the innermost long side.
- Complete each cut-out in one continuous motion where possible.

6. Notes & Warnings

- Do not make sharp internal corners — always use a minimum 10mm radius.
- Never attempt to cut unsupported slabs.
- Ensure operators are trained and wearing full and fitted PPE, including safety goggles, gloves, appropriate respirator and hearing protection.