# Discrete TGSI Installation Guide

## Individually Core Drilled: Mechanical or Adhesive

Nouvel® Classic | Nouvel® CarbTop | Renzo® Classic

**Applicable Substrates:** Ceramic or 20mm Stone Pavers

### Advantages:

- Penetrations will not shatter or crack tiles
- Drilling can be completed in either dry or wet conditions

### Disadvantages:

- Additional setup required
- Specialised tooling required

### Tool Requirements:

Diamond core drill, wet and dry vacuum, water extraction unit, hammer, tape measure, interlocking templates, acetone, dry cloth, diamond core drill bits and safety management equipment.

### Substrate Preparation: (IMPORTANT)

1. All substrates must be clean, dry and free of dust or grease.
2. Rectify any existing damage to the substrate before installing.
3. If adhesive is being used, wipe both the substrate and the back of the TGSI thoroughly with methylated spirits.

### Mark Out and Layout:

Identify the location to be covered by TGSIs in accordance with AS 1428.4.1:2021. Wherever possible, position the interlocking installation templates in location as a guide for drilling or adhesive. Locate discrete templates 295mm from the hazard so the edge of the TGSIs falls within the required 300mm (±10mm) from the hazard.

### Installation:

1. Complete "Substrate Preparation" as defined above. **(IMPORTANT)**
2. Complete "Mark Out and Layout" as defined above.
3. Set out the interlocking TGSI templates and drill the corner TGSI locations to allow temporary mechanical fixing of the template in position.
4. Individually drill all holes in accordance with the template. **Note:** so the templates work as a guide, only use them 2 to 3 times, then discard.
5. Remove the templates and vacuum excess water and debris away from the holes.
6. Depending on the TGSI selected, complete one of the following:
   **a. Mechanical fix:** insert the TGSIs into the cavity and use a hammer to firmly knock each indicator into the substrate until secure and flush. Immediately trafficable.
   **b. Adhesive fix:** apply adhesive to the drilled cavity and gently insert the TGSIs until secure and flush. Isolate the area with safety management equipment until the adhesive has cured. Allow 4 hours before opening to traffic.

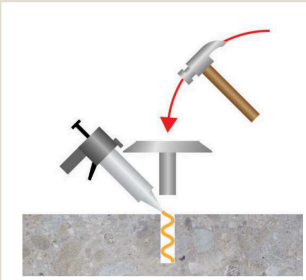

Figure 1 - Step 6
(core drilled, insert into solid substrate)

*Self installation is an option for most Korb products. For professional installation, contact Korb for a referral to our preferred installer network.*

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