CDK STONE

GEOGRIP USAGE & STORAGE GUIDE

USAGE & STORAGE GUIDE:

Seam Preparation

1. Surface Abrasion:
   For best results, abrade the bonding surfaces using 60–120 grit abrasive, ensuring a complete and even texture across the entire area.
2. Remove Dust and Sludge:
   Clean away dust or sludge from the edges. A vacuum or water rinse will help remove most residue. Dry the area and remove excess water.
3. Final Cleaning:
   Wipe the bonding surfaces and adjacent areas with clean acetone and a clean, white, lint-free cloth. Do not use coloured or dyed rags, as they may leave residue.
4. Dry Material:
   Make sure the surface is completely dry before applying adhesive. Porous materials (like granite, marble, or limestone) may retain moisture internally, so give them extra drying time for best performance.
5. Check Temperature:
   Both the surface and the adhesive should be at room temperature to ensure proper curing and bond strength.

Application

1. Cartridge Prep:
   Insert the cartridge into the dispenser, remove the cap, and purge until both components are visible and flowing.
2. Mixing:
   Attach the mixing tip and continue purging until the adhesive flows evenly through the tip. For best mixing to ensure components are mixing thoroughly, purge a 20cm bead of adhesive (at least 5mm wide).
3. Apply Adhesive:
   Apply a single, consistent bead along the bonding surface, ideally closest to the visible/aesthetic edge. This helps avoid trapping air as the seam closes.
   *Tip: *Be mindful of the amount of force used on the dispensing gun. Adhesive should flow with relative ease. Excessive pressure can disrupt mix ratio!*
4. Clamp Carefully:
   Bring the pieces together and clamp with a seam gap of approximately 0.5mm and avoid over-tightening. Wider gaps will reduce bonding performance.
5. Check Coverage:
   Ensure the adhesive fully fills the seam with a slight amount sitting proud. For internal angles (e.g., inside mitres), preferably a small radius fillet of adhesive will provide the strongest result.

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Curing:

1. Temperature Impact:
   Cure times will vary depending on the air and stone temperature, cooler temps = slow curing, while warmer conditions = accelerated cure cycle.

2. Working Time:
   GeoGrip has a working (or open/gel) time of around 10 minutes at average room temperature. Complete seam assembly before the adhesive begins to firm or form a skin. Assembly after this point may result in a weak bond or even failure of the seam.

   Fixture Time:
   The adhesive reaches handling strength in approximately 20 minutes at average room temperature. At this stage, clamps can be removed, and the seam can be worked (e.g. polishing or profiling).

   *Tip: *The adhesive will shrink as it approaches handling time, so make sure adhesive is ready before continuing or it may shrink into the seam. To test, press a blade into the bead and look for denting/marking from the blade. Some areas may cure faster or slower than others, so test a few areas across the seam. If the adhesive firmly resists denting/marking from the blade it has reached handling strength.*

3. Full Cure:
   While the seam can be worked shortly after fixture time, full structural strength is reached after 24 hours.

   *Tip: *For polished joints, use polishing compounds to achieve enhanced lustre and colour. Optimal results can be achieved by polishing after full cure.*

Storage:

- Store GeoGrip in a cool, shaded place, away from direct sunlight or heat.
- Avoid exposing cartridges or activator components to temperatures above 40°C. High heat significantly reduces shelf life and reactivity.
- Refrigeration can extend shelf life, but do not freeze.

Shelf-life guide:
- 24 months if stored consistently between 12–23°C
- 12 months if prolonged exposure outside this range or exposed to higher or fluctuating temperatures
- Shelf life begins from Date of Manufacture

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