

# Epoxy Crack Repair

Epoxy Crack Repair & Reinforcement Kit



## INSTALLATION INSTRUCTIONS

### 1. SYSTEM OVERVIEW

A clear epoxy and super ceramic filler system for repairing and reinforcing cracks and holes in concrete before coating.

**Note:** Read this guide and the product Safety Data Sheet before starting. Do not apply if rain is expected within 24 hours, on hot surfaces or in direct sun. Keep a wet edge at all times.

### 2. PRODUCTS & MATERIALS

- Ultra Clear Epoxy (6Lt, code UC)
- Super Ceramic Filler (Reinforcement & Rebuild) (5Lt, code SC)

### 3. TOOLS REQUIRED

- Trowel and scraper
- Grinder / sander
- Mixing paddle
- Electric drill mixer
- Buckets / mixing containers
- Vacuum or blower
- Masking tape
- PPE - gloves, eye protection, protective clothing

### 4. STEP 1 - SURFACE PREPARATION

1. Ensure the surface is clean, dry and free of dirt, grease, oil, paint, curing agents and other contaminants.
2. Grind (or sand) the surface to a key, or acid-wash to open porosity, then wash, rinse and flush to neutralise; remove all loose material.
3. Run a dry test: tape a plastic sheet over a small area for 1 hour; if no moisture appears, the surface is sufficiently dry.
4. Vacuum / blow out all dust and mask off areas not to be coated.

**Note:** New concrete must cure fully (minimum 28 days) before application.

### 5. STEP 2 - MIXING

1. Combine the components in accordance with the product label and mix for a minimum of 3 minutes with a slow-speed drill mixer.
2. Scrape the sides and base of the container so no unmixed material remains; mix until uniform and free of streaks.
3. EpoDil may be added to thin the product where the label permits. Mix only the quantity that can be applied within the pot life.

### 6. STEP 3 - APPLICATION

1. Rout out and clean cracks, holes and damaged areas; remove all loose material and vacuum.
2. Mix the resin and filler together to a smooth paste of the consistency you need.
3. Trowel the mortar firmly into the cracks / holes and level flush with the surface.
4. Allow to cure, then sand or grind flush. Overcoat with the chosen Shimicoat system as required.

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## 7. STEP 4 - CURING & AFTERCARE

- Allow to cure before sanding, coating or returning to service.
- Full hardness develops over about 7 days.

## 8. WARNINGS

- Do not apply if rain is expected within 24 hours; avoid hot surfaces and direct sun.
- Do not apply over a patchy (possibly damp) slab - always run the dry test first.
- Epoxy coatings may yellow in direct sun; use a UV-resistant top coat outdoors.
- Wear appropriate PPE; ensure adequate ventilation. Refer to the SDS.

## 9. CONTACT DETAILS & DISCLAIMER

### SHIMICOAT Pty Ltd

9a Morse Road, Bibra Lake WA 6163

Ph (08) 9434 3302 info@shimi.com.au www.shimi.com.au

ABN 28 622 871 283

**Disclaimer:** This installation guidance is provided in good faith and based on present knowledge and experience. As application is beyond the seller's control, the purchaser must make its own tests to determine suitability and assumes all risk of use and handling. Refer to the product label and SDS before use.