



# Dr. Fixit UniRepair EPLV 411

## EPOXY RESIN CRACK INJECTION SYSTEM

### Description

**Dr. Fixit UniRepair EPLV 411** is a two component, low viscosity, solvent-free, crack injection resin used to seal cracks in concrete structures.

### Typical Applications

- Permanent bonding and repair of cracks in floors, concrete walls, tanks and sea walls etc.
- Injection for cracks and honeycombing in concrete.

### Features

- High bond strength.
- Deep crack penetration.
- High compressive strength.
- Chemical and corrosion resistant.

### Packaging

2.8 litres

### Method of Application

#### 1 PREPARATION

- Drill holes along the line of the crack and insert injection nozzles.
- Seal the crack between the nozzles using Dr. Fixit Epoxy Mortar.
- If the crack penetrates the full thickness of the concrete, nozzles must be inserted and the crack sealed on both faces. Note that the distances between the nozzles should be staggered on each side so they are not directly opposite each other.
- The Dr. Fixit Epoxy Mortar should be allowed to cure for a minimum of 8 hours before fixing hoses and injecting resin.
- Decant resin and hardener into a suitable clean mixing container and mix using an electric mixing paddle for a minimum of 3 minutes.

#### 2 INJECTION

- Dr. Fixit UniRepair EPLV 411 should be used with standard injection equipment.
- After completion of the injection work, leave the repaired area to cure for 24 hours.

### Note:

- Use all mixed material within the pot life expiry period.
- Never mix part units.
- Do not dilute with solvent.

### Technical Information

PROPERTIES	SPECIFICATION	RESULTS
Pot life @ 20°C & 65% RH, Minutes		50 - 60
Sp. Gravity @ 20°C		0.995
Initial Setting Time, Hours		6
Full cure time, Hrs @ 20°C		48
Flexural strength, N/mm <sup>2</sup>	BS 6319 Part III	53.4
Pull off bond strength, N/mm <sup>2</sup>	BS 1881 Part 207	3.17
VOC Content	USEPA 24	<0.01 g/L

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### Storage

When stored in dry conditions out of sunlight in original unopened packaging this product has a shelf life of 12 months. Storage above 35°C will reduce shelf life and product performance.

### Health and Safety

As with all epoxy resins, work cleanly at all times. Skin and eye contact should be prevented by the use of plastic or rubber gloves, eye protection, barrier creams and protective clothing. Any resin or hardener in contact with the skin should be removed with warm soapy water or a resin removing cream. NOT solvent. In case of eye contact wash copiously with water and in the case of accidental ingestion, obtain immediate medical attention. Provide good work area ventilation. See MSDS for Further information.

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