

## CRACKSEAL

### Description

Crackseal is a two pack, solvent free, low viscosity Epoxy resin designed for injecting cracks in concrete, brickwork and masonry.

This allows the ready consolidation of structures, and prevents water and salt ingress, thereby obviating freeze thaw damage and re-bar corrosion.

For small scale repairs on site Crackseal may be part mixed in the ratio of 2:1 by volume (Base to Curing Agent component).

For large scale injection work Crackseal may be used with automatic proportioning pumps.

### Typical Uses

Injection of cracks in concrete, brickwork and masonry.

### Advantages

- Easy to use
- Convenient 2:1 volume mix.
- Low viscosity -highly penetrating
- High strength
- Excellent bond strengths to concrete, brickwork and masonry
- Suitable for damp or dry surfaces
- Water and weather resistant
- Penetrates cracks down to 0.2mm wide

### Typical Properties

Viscosity:	300 cps @ 20C
s.g.:	1.07
Pot Life: @20C	70 minutes
Compressive strength:	75N/Sq.mm
Adhesion to concrete:	4.4 N/Sq.mm(concrete failure)
Shore D Hardness:	75
Temperature range during application:	3C to 45C

### PROCEDURE

#### 1) Surface Preparation

Surfaces to be treated shall be clean, sound and free from contaminants.

Cracks may be reamed out and air or water flushed to remove the contaminants.

#### 2) Mixing

Mix the Base and Curing Agent components together, preferably by mechanical means, until a uniform consistency has been achieved.

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### 3) Application

Apply the Crackseal by gravity feed or by gunning or pumping into the cracks. Injection flanges may be attached along the crack length at nominal 150mm intervals, using EPA.

EPA is also suitable for 'facing' off vertical cracks.

### 4) Equipment Cleaning.

Clean all equipment, immediately after use, using Toolclean.

### 5) Curing

Crackseal will be touch dry after 10 hours at 20C and hard dry after 16 hours @ 20C. Full mechanical properties will be achieved following 7 days.

cure @ 20C.

At lower temperatures curing times will be extended.

### 6) Packaging

1, 2, 5 and 75 litre packs.

### 7) Coverage / Usage

The consumption of Crackseal is very much dependent on the depth and extent of cracks within the substrate.

### 8) Storage and Shelf Life

Store in dry conditions out of direct sunlight at temperatures between 10C and 25C. Crackseal has a shelf life of 12 months when stored in original unopened, containers in accordance with the manufacturers instructions.

### 9) Limitations

Do not apply to uncured concrete.

Do not apply at temperatures below 3C.

### 10) Health and Safety

Avoid contact with skin and eyes using appropriate gloves, clothing and eye protection.

Wash off all splashes immediately using soap and water.

If contact with eyes occurs, irrigate with copious amounts of clean water and seek medical attention.

Please refer to Material Safety Data Sheet for additional information.

Crackseal shall be applied strictly in accordance with the instructions of the manufacturer

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