

## Urochem 309

### LOW VISCOSITY EPOXY CRACK INJECTION COMPOUND

#### DESCRIPTION

**Urochem 309** is a low viscosity, solvent free, epoxy compound. It is unfilled, moisture resistant and exhibits excellent flow and adhesion to concrete. It is used for the repair of concrete that has cracked due to excessive loading or the inadequate provision of expansion joints. Effective repairs of these faults can be carried out using Urochem 309. This product can be injected into hair-line cracks too fine to be filled with traditional materials or can be gravity fed into horizontal cracks. Because epoxy resin systems have a higher mechanical strength than concrete it will restore the concrete to its original monolithic strength.

Also used for the bonding of starter bars or dowel bars in a vertical application.

#### PRODUCT APPLICATION

**Urochem 309** can be used to restore silos, water retaining structures, columns, beams, floors, bridge decks and other structural members including those found in older buildings. Used for the bonding of starter/dowel bars vertically into concrete.

#### SURFACE PREPARATION

All surfaces to be clean, sound, and dry.

#### MIXING

Mix part A and part B as supplied, ensuring that air is not entrapped. Use immediately after mixing.

#### HORIZONTAL APPLICATION

- For horizontal cracks, mix Urochem 309 and simply pour in the crack injection compound.
- It may be necessary to make a small surface reservoir with a sealant or glazing putty, by creating a barrier around the perimeter of the crack.
- Care should be taken to seal the rear of any crack that penetrates through the substrate to prevent excessive use of the product.

#### VERTICAL APPLICATION

Clean the crack and vacuum or blow out all dust and debris. Bond on injection nipples or plates containing injection nipples using **Urochem 305**. Seal the face of the crack to prevent excessive material wastage and allow the epoxy adhesive to cure before injection commences.

#### CLEANING

Clean all tools and equipment immediately after use with **Urochem 901** as the cured material is very difficult to remove.

#### SAFETY

Contact with the skin should be avoided by wearing gloves, eye protection and protective clothing. In case of eye contact wash well and obtain medical advice. Use only in well ventilated areas.



#### Urochem Trading (Pty) Ltd

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#### TYPICAL PROPERTIES

<b>Mixing Ratio</b>	Mix as supplied - Do NOT split kit
<b>Pot Life</b>	40 min @ 25° C
<b>Practical Cure</b>	24Hours
<b>Full Cure</b>	7 Days
<b>Compressive Strength</b>	80 Mpa @ 7 days
<b>Flexural Strength</b>	95 Mpa
<b>Colour</b>	Amber
<b>Density</b>	1.05
<b>Modulus of Elasticity</b>	3200 N/mm <sup>2</sup>
<b>Shelf Life</b>	12 Months
<b>Application Temp.</b>	5 - 35°C
<b>Service Temp.</b>	70° C Wet - 120° C Dry
<b>Pack Size</b>	1 Lt, 2 Lt Kits
<b>Cleaning</b>	<b>Urochem 901</b>
<b>Storage</b>	Store in a cool dry place

The information supplied is believed to be reliable. As we do not have any control over the processing or application of the product, we cannot guarantee the results to be obtained. Users assume all risks and liability resulting from the use of this product and must confirm the suitability thereof by conducting their own tests. No guarantee is expressed or implied. Liability is limited to replacement of faulty material. Field service provided does not constitute supervisory responsibility.

#### FOR PROFESSIONAL USE ONLY



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