

Urochem 400

HIGH STRENGTH, FREE FLOWING EPOXY GROUT

DESCRIPTION

Urochem 400 is a three component, solvent free epoxy resin grout formulated to withstand static and dynamic loads in a wide variety of applications. It is easily mixed with the supplied clean, dry aggregate to produce a pourable consistency grout.

TYPICAL APPLICATIONS

- Crane and transporter rails.
- Base plates for machines subject to static or dynamic forces.
- Structural filling of holes and cavities in concrete.
- Bridge bearings.

ADVANTAGES

- No priming required.
- Excellent flow characteristics.
- Long pot-life.
- High tensile, flexural, and compressive strength.
- Excellent adhesion to steel and concrete.
- Rapid installation and strength gain.
- High resistance to dynamic loads and chemical attack.
- Tolerant to damp surfaces.

SURFACE PREPARATION

Concrete surfaces should be clean sound and dry, free from laitance, paint, oil, grease, shutter oil and any residual curing compounds. Metal surfaces or components to be bedded, should be free from any rust, scaling, or paint. Formwork should be wrapped in polythene to ensure a clean release.

MIXING

Do not split kits. Mix with a slow speed drill fitted with a flat paddle. Add the contents of the activator to the base component in a suitable mixing vessel, ensuring complete transfer of both resin components. Mix for one minute before slowly adding aggregate and continue mixing until a free flowing, pourable lump free consistency is achieved.

PLACING / APPLICATION

Allow to stand for 5min before pouring into the prepared area in such a manner that it has the shortest distance to flow. For long pours a suitable head of pressure may be required. Ensure the area to be grouted is not completely sealed, and any displaced air can be expelled. Pour continuously from one side. Allow the grout to set prior to removal of formwork (normally after 6 hours). Where placement exceeds 3 x 5 Lt kits, application should be carried out in layers. Successive layers to be applied after 6-hour intervals.



Urochem Trading (Pty) Ltd

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Modderfontein, Gauteng; 1645

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CHEMICAL RESISTANCE

Urochem 400 has excellent corrosion resistance to most common corrosive chemicals.

- Dilute and concentrated alkalis, Oil and petrol, Ammonia, Formaldehyde
- Saline solutions, Mineral oil, vegetable, and animal fats.

CLEANING

Clean all equipment promptly with **Urochem 901**. Any excess cured material will have to be mechanically removed.

STORAGE AND SHELF LIFE

Store under cover out of direct sunlight and protect from extreme temperature. (In tropical climates the product must be stored in an air-conditioned environment). Shelf life is 12 months when stored in unopened containers as above.

HEALTH AND SAFETY

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin, and foodstuffs (which can also be tainted with vapor until product is fully cured or dried). Treat splashes to skin and eyes immediately. If accidentally ingested, seek medical attention. Reseal containers after use. For specific storage and disposal instructions refer to the Material Safety Data Sheet.



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TYPICAL PROPERTIES

Mixing Ratio	Three component - Do not split kits
Pot Life	+ 60 Min @ 25 °C
Practical Cure	6 Hrs @ 25° C
Full Cure	7 Days
Compressive strength (Filled)	>80 Mpa @ 25°C
Tensile strength (Filled)	>10 Mpa @ 25°C
Flexural Strength (Filled)	>25 Mpa @ 25°C
Colour	Amber
Solids Content	100%
Theoretical Coverage	1m ² per Lt per mm thick
Shelf Life	12 Months
Application Temp.	5 - 35°C
Pack Size	5 Lt kit
Cleaning	Urochem 901
Storage	Store in a cool dry place - Do not freeze

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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