Urochem 303

TWO-PART, SOLVENT BASED, FILLED, CHEMICALLY RESISTANT EPOXY FLOOR COATING

DESCRIPTION

Urochem 303 is a twin pack, solvent based, high solids epoxy coating cured with a cycloaliphatic cross-linking agent. Although of low viscosity and easy to apply it rapidly cures to form an exceptionally tough flexible film with very good abrasion and chemical resistance. Its low solvent content ensures that maximum build is achieved with each coat. **Urochem 303** is available in a range of colours and provides a coating which is both protective and decorative.

PRODUCT APPLICATION

As an impervious, resilient, and chemically resistant floor or wall coating in manufacturing plants, garages, factories, food processing plants, laboratories, and workshops.

SURFACE PREPARATION

- As with all epoxy systems, surface preparation is of prime importance. Ensure the substrate is clean, sound, and dry, remove all grease, oil, dust, laitance, etc. Cut back to a sound substrate before undertaking any remedial repairs with **Urochem 305** Epoxy Patching Compound.
- Wire brushing, acid etching, sand or high-pressure water blasting may be required to remove any laitance and/or curing compounds. Attention to blowholes and omegas is essential for the satisfactory performance of the coating.
- Steel surfaces should be clean, sound, and dry, and free of grease,any oils, and mill-scale.

PRIMING

Prime steel with **Urochem 617 Zinc Rich Primer**. Concrete may be primed with **Urochem 307** clear, or if sound, dense and well cured **Urochem 303** may be applied directly.

MIXING

- **Urochem 303** is supplied in a two-part kit, base, and activator in separate tins.
- Transfer the total quantity of activator into the base component and mix thoroughly using a slow speed electric drill fitted with a flat blade stirrer.
- Scrape down the sides of the can and the base and remix until the colour is uniform and free from streaks.
- Thorough mixing is essential and should take 5 to 10 minutes.

APPLICATION

Urochem 303 may be applied by brush, roller, or airless spray. After application of the first coat ensure there are no pin holes or missed areas. Allow a minimum of 6 hours and a maximum of 24 hours between coats. For best protection and finish, a two-coat application is recommended.

CLEANING

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

SAFETY

Contains organic solvents which are flammable. Do not use in confined spaces. Ensure adequate ventilation and the absence of any ignition source. Wear protective clothing. In case of eye contact wash well with water and obtain medical advice.

Please refer to product MSDS for further information.

Urochem
Manufacturers of joint sealants & construction chemicals

Urochem Trading (Pty) Ltd
Unit XP2, AEL Industrial complex, Cnr Ecqip and Weighbridge
Modderfontein, Gauteng; 1645

(+27) 11 608 2073 • www.urochem.co.za

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TYPICAL PROPERTIES - AS PER UROCHEM QC

The below properties are based on in-house testing methodologies.

Mixing Ratio	Two component - mix as supplied - Do not part mix
Pot Life	30 min @ 25°C
Tack Free	6 Hours
Full Cure	7 Days
Colour	Grey - Other colours available on order
Chemical resistance	Most dilute chemicals, fuels and oils
Density	1.28
Spread rate	2 - 4 m² per Lt / coat
Overcoat times	Min 6 Hrs / Max 24 Hrs
Shelf Life	12 Months, depending on storage conditions
Application Temp.	5 to 35°C
Service Temp.	- 25 to 70°C Wet & 120°C Dry
Pack Size	2 Lt & 5 Lt Kits
Cleaning	**Urochem 901**
Storage	Store in a cool dry well ventilated place away from heat & sunlight

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CHEMICAL RESISTANCE FOR UROCHEM EPOXIES

Spillage resistance for various curing agents used in Urochem products

Reagent	Test after 3 days (% mass)	Test after 28 days (% mass)
10 % Acetic Acid	1.95	5.95
10% Lactic Acid	0.92	3.04
Toluene	0.46	5.64
Xylene	0.04	0.58
Trichloroethane	0.05	0.32
Methanol	12.90	2.52
Ethanol	4.26	10.01
Butyl Cellosolve	1.97	7.74
Methyl Ethyl Ketone	Destroyed	
Skydrol	NT	NT
70 % Sulfuric Acid	0.02	0.10
98% Sulfuric Acid	Destroyed	
Deionized Water	0.53	1.53
50% Sodium Hydroxide	-0.03	-0.09
Bleach	0.51	1.33

FOR PROFESSIONAL USE ONLY

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