

Urochem 230

EPOXY BEDDING MORTAR & ADHESIVE

DESCRIPTION

Urochem 230 is a filled, thixotropic, low slump solvent free, epoxy bedding mortar and adhesive. It has been specifically designed as a specialized adhesive for **Urochem FPO** (Flexible Polyolefine) bandage systems used in potable water reservoirs as well as wastewater reservoirs, as well as for bonding of Carbon Fibre strengthening strips. It is characterized by a good working life and fast cure, and bonds to saturated concrete.

PRODUCT APPLICATION

Specifically formulated for bonding of **Urochem FPO** and other polymer membranes to prepared concrete in Potable Water Reservoirs, and for bonding of carbon fibre reinforcing strips to prepared concrete.

Application for FPO Bandage system, see FPO Datasheet.

SURFACE PREPARATION

All surfaces to be clean and sound, free from any oil laitance, dust or curing agents. Any exposed steel must be cleaned to a bright finish before application of **Urochem 230**. All dust must be removed by oil free compressed air or vacuum.

MIXING

- **Urochem 230** 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.

CARBON FIBRE SYSTEMS

Consult a specialist Structural Engineer for design criteria and specific application methods, as loads on various elements play an integral role in the application of these systems.

CLEANING

Clean all tools and equipment immediately after use with **Urochem 901**. Once the epoxy has set it may only be removed mechanically.

SAFETY

- Contact with the skin should be avoided.
- Wear gloves and protective clothing.
- In case of eye contact wash well with warm water and obtain medical advice.
- The cured material is not toxic.



Urochem Trading (Pty) Ltd

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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 Minutes
Practical Cure	48 Hrs @ 24°C
Full Cure	7 Days
Compressive Strength	> 50 Mpa
Tensile Strength	> 8 Mpa
Colour	Concrete Grey
Density	1,6
Theoretical coverage	1m ² / Lt / mm
Shelf Life	12 Months, depending on storage conditions
Application Temp.	10 to 35°C
Service Temp.	-25 to 90°C
Pack Size	1Lt, 2Lt & 4Lt
Cleaning	Urochem 901
Storage	Store in a cool dry well ventilated place away from heat & sunlight

CERTIFICATION

Potable Water Certification WAT-26-0301



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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

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