

# Dr. Fixit Unicoat EPW



## HIGH BUILD EPOXY SOLVENT-FREE POTABLE WATERTANK COATING

### Description

Dr. Fixit Unicoat EPW is a solvent free epoxy coating for internal lining of potable water tanks. Dr. Fixit Unicoat EPW is suitable for potable water applications as tested to BS6920 (No Leaching).

### Typical Applications

- Internal coating of potable water tanks.

### Features

- Dense, impermeable, high gloss finish.
- Non-toxic.
- Suitable for potable water applications.
- Seamless and durable for long term performance.
- Abrasion resistant.
- Does not support bacterial growth.

### Packaging

4 and 12 Litres

### Method of Application

#### 1 SURFACE PREPARATION

- Ensure concrete is 28 days old.
- Prepare the substrate by either scabbling or diamond grinding to remove surface laitance, unsound material, plaster, existing paint finishes, oil, grease and any other contaminants to provide a clean, open textured substrate.
- Ensure all blow holes, cracks and surface imperfections are repaired with Dr. Fixit Epoxy putty.
- All steel surface shall be cleaned to shot blasted bright surface and applied with Dr Fixit Unicoat EPW before oxidation of steel occurs. All concrete surface shall be prepared by mechanical grinding to open pores and produce a roughened surface.
- Vacuum to remove any dust and debris created by the surface preparation process.

#### 2 MIXING

- The entire contents of part B (hardener) should be poured into the part A (base) and thoroughly mixed using a suitable slow speed electric mixer for 1 minute. The sides of the tin should then be scraped and mixing should continue for a further 2 minutes, to a homogenous mix.

#### 3 APPLICATION

- Dr. Fixit Unicoat EPW should be applied as soon as the mixing process is completed using a medium pile roller. After initial cure apply a second coat, at right angle to the first coat.
- For large water tanks and critical areas subjected to high pressure, it is recommended to reinforce with glass fibre mesh between coats.

#### 4 CURING

- Allow to cure for 7 day for service

#### 5 CLEANING

- All tools should be cleaned using Rok Thinners.

Technical Information (Typical properties @ 25 ± 2° C & 50 % R.H)

PROPERTIES	SPECIFICATION	RESULTS
Pot life		45 min
Density, g/cc		1.6 ± 0.02
Hardness, Shore D	ASTM D 2240	80 min
Water Penetration (5 bar pressure)	BSEN 12390-8	Nil
Bond Strength	ASTM D4541	>2.0 N/mm2
Chemical Resistance	ASTM D543	Resistance to range of chemicals like mild acids, alkalis
Overcoat	-	8 hrs. min 24 hrs. max
Full cure	7 days	

Theoretical Coverage

0.2 ltrs /sq.mt / coat @ 200 microns dft. Min two coats recommended. (Actual coverage may vary depending upon substrate condition, porosity, texture etc.)

Storage

When stored in dry conditions out of sunlight in original unopened packaging this product has a shelf life of 12 months. Storage above 35°C will reduce shelf life and product performance.

Health and Safety

As with all epoxy resins, work cleanly at all times. Skin and eye contact should be prevented by the use of plastic or rubber gloves, eye protection, barrier creams and protective clothing. Any resin or hardener in contact with the skin should be removed with warm soapy water or a resin removing cream. NOT solvent. In case of eye contact wash copiously with water and in the case of accidental ingestion, obtain immediate medical attention. Provide good work area ventilation. See MSDS for further information.

DR. FIXIT offers a wide range of Structural Protection and Waterproofing systems:



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