



Epoxy UW

Epoxy Coating for potable water retaining Structure

TECHNICAL DATA SHEET

DESCRIPTION

Epoxy UW is a 100% solids containing pigmented two component system based on liquid epoxy resin with a amine hardener.

USE

Epoxy UW is a coating system for cement based surfaces such as concrete, plaster, and also for iron and steel in contact with potable water and food stuffs. The main fields of application are floor and wall surfaces, which are subjected to normal mechanical loads and aggressive chemicals. Typical use includes, storage tanks and silos in chemical industry, food industry, drinking water storage tanks, swimming pools, sewage works, sewage pipe lines etc.,

ADVANTAGES

Suitable for potable water and food stuff storage
Excellent corrosion protection and chemical resistance
Excellent adhesion on concrete and steel substrate.
Solvent free and non toxic
Aesthetic –smooth glossy finish after curing

PROPERTIES

Colour	Blue and White
Pot life at 27 +/- 2°C, in hours	45 mts
Density	1.50 – 1.60
Minimum hardening temp °C	10
Curing time, in days, min	7
Time interval between coats, hours	12 - 16
Number of coats	Min. 2
Method of application	Brush / Roller
Dry film thickness (Two coats)	200 microns
Finish	gloss

SURFACE PREPARATION

Concrete surfaces should be free from laitance and dust by sandblasting. In case sand blasting is not possible, thorough abrading with a hard wire brush can be used, though it is not as efficient. The pre-requisites for good adhesion of the coating are cleanliness, roughness and dryness of the surface. Unless these are ensured by proper surface preparation, a successful performance can not be guaranteed.

The degree of dampness of the surface must be less than 4%.

Iron and steel surfaces must be free from rust, scale, dust, grease and other impurities which can prevent adhesion. The best pre treatment is sand blasting to Sa 21/2 . Bostik ZNP primer should be applied immediately after the removal of rust and other impurities.

APPLICATION

Concrete Surface:

Epoxy UW Component A (base) should be thoroughly stirred before adding component B (hardener). Pour component B into component A and mix for 2 minutes with slow speed stirrer with suitable mixing paddle to get a consistent coating material. The coating is applied on area evenly and a second coat is applied at right angles so that the entire area is fully covered, after the recommended interval of time.

Application on steel surface:

Primer : After proper surface preparation, like sand blasting, the surface is protected using Bostik ZNP , an epoxy zinc phosphate primer.

Top coating: Next day, two coats of Epoxy UW is applied one after the other coat leaving the recommended time gap between coats, as described earlier.

Note:

1. Normally 2 coats are recommended for protective treatment. The first top coat is applied over the primer coat and is left to dry. Next day, second day, next coat is applied, and if required third coat is done on the third day.

2. If longer intervals occur between individual coating or in case coating is to be removed, the old surface should be thoroughly roughened and cleaned.

3 Please check with us for suitability of the product against individual chemicals.

CLEANING

Immediately after application of Epoxycote UW, clean the tools, equipment and the mixing container using solvents like Bostik Thinner E otherwise, removal of dried / hardened epoxy mortar is difficult.

COVERAGE

Coating – Epoxycote UW: 6 sq.m/kg/coat @ 100 micron DFT

2 coats recommended

Coverage may vary based on nature of substrate

PACKING:

Epoxycote UW 5kg

STORAGE & SHELF LIFE:

Bostik Epoxycote UW Component A, and Component B as supplied shall be stored in a cool and dry place away from sunlight, moisture and high humidity and have a shelf life of 12 Months in the original packing.

HEALTH & SAFETY:

Epoxycote UW contains organic resins, hardener, and other filler materials which may cause sensitization by skin contact. Avoid contact with skin and eyes and inhalation of vapour. In case of contact, wash liberally with water and seek medical advice, if required. Wear suitable protective clothing, gloves and goggles while handling.

WARRANTY:

Whilst Bostik India (P) Ltd., strives to ensure that any advice, information or recommendation given are appropriate and correct, it cannot accept any liability directly or indirectly arising out of the products, since the method and place of application of the products are beyond its control. Its guarantee is therefore limited to the quality of materials delivered

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