



Block E550 Epoxycote UW

EPOXY COATING FOR PORTABLE WATER RETAINING STRUCTURE

TECHNICAL SHEET 30/01/2023

SMART 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

DESCRIPTION

Block E550 Epoxycote UW is a 100% solids containing pigmented two components system based on liquid epoxy resin with a amine hardener.

FUNCTIONAL CHARACTERISTICS

Block E550 Epoxycote 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.,

TECHNICAL CHARACTERISTICS

Colour	Blue and White
Density	1.50 – 1.60
Minimum hardening temp	10°C
Pot life (27 ± 2°C)	45 min
Dry film thickness (Two coats)	200 microns
Finish	gloss

COVERAGE

- 6m²/kg/coat @ 100 micron DFT
- Recommended 2 coats

Coverage may vary based on nature of substrate

APPLICATION

SUBSTRATE 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 cannot 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 2 ½. Bostik ZNP primer should be applied immediately after the removal of rust and other impurities.

PRIMING

Application of primer is needed on steel surface. After proper surface preparation, the surface is protected using Bostik ZNP, an epoxy zinc phosphate primer.

MIXING

Block E550 Epoxycote UW component A (base) should be thoroughly stir 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.

PLACING

The coating on concrete surface can be apply either using brush or roller. The Block E550 Epoxycote UW is applied on area evenly. The second coat is applied at angles perpendicular to the first coat so that the entire area is fully covered. The time interval between coats is 12-16 hours.

For steel surface, after primer, two coats of Block E550 Epoxycote UW is applied one after the other coat. The time interval between coats is 12-16 hours.

CURING

The curing time of Block E550 Epoxycote UW is minimum 7 days.

PRECAUTIONS

- Normally 2 coats are recommended for protective treatment. The first top coat is applied over the primer coat and is left to dry. On the second day, next coat is applied, and if required third coat is done on the third day.
- If longer intervals occur between individual coatings or in case coating is to be removed, the old surface should be thoroughly roughened and cleaned.
- Please consult with Bostik Technical Service for suitability of the product against individual chemicals.

CLEANING

Immediately after application of Block E550 Epoxycote UW, clean the tools, equipment and the mixing container using solvents like Thinner, Xylene or otherwise, removal of dried / hardened epoxy mortar is difficult.

STORAGE & SHELF LIFE

Block E550 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. The product have a shelf life of 12 Months in the unopened original packing and recommended storage condition.

PACKAGING

Block E550 Epoxycote UW is available in 5kg sets:

Component A: Base, 4.2 kg

Component B: Hardener, 0.8 kg

HEALTH AND SAFETY

Block E550 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.

For more detailed information refer to Safety Data Sheet.

The application recommendations are defined by standards of use. They are imperative to respect them, but they don't need a previous try, especially for the first use or particular inconvenient of support, site or environment. Consult our safety data sheet for precautions to use.

DISCLAIMER

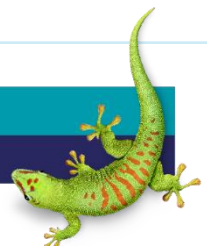
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