



EPOSEAL

SOLVENT FREE EPOXY COATING FOR POTABLE WATER TANKS

Product Description

EPOSEAL is a two component, solvent free epoxy coating specially formulated for potable water storage tanks. It is formulated for maintaining hygiene of highest standard, corrosion resistance, chemical resistance and ease of cleaning.

Green Building Compliance

This product is Eco-friendly, Low VOC, waterbased with a high level of mechanical, chemical resistance, ideal for use in Green Building.

Features

- Conforms to USFDA Regulation - 21 CFR 175.300
- 100% Non Volatile.
- Prevents contact of potable water with concrete and hence contamination.
- Seamless and hygienic finish.
- Easy cleaning and low maintenance.
- Easy to apply.
- Excellent bonding for long term durability.
- Good Chemical resistance.
- Can be applied on concrete and steel surfaces.

Uses

EPOSEAL is a high performance coating specially designed to provide clean, corrosion resistant, bacteria resistant surface that could be used for highest contamination prevention requirement of potable water tanks. The coating system conforms to requirements of USFDA regulation 21 CFR 175.300.

Properties

% Solids	:	100%
Application	:	Brush/Roller
Mixing ratio	:	As supplied
Pot Life @ 23 °C	:	25-30 mins
Curing Time	:	
Touch dry	:	30 minutes
Hard dry	:	overnight
Intercoat Interval:	10-12 hours	
Dry Film thickness:	100-150 microns per coat depending on porosity at below mentioned spread rate	
Recommended no. of coats:	2 minimum	
Ready for use:	7 days	

The values given above are average figures achieved in laboratory tests. Actual values obtained on site may show minor variations from those quoted.

Coverage

Coverage: 6--7 sq.mts/kg per coat depending on porosity roughness & method of application.

Method of Application

EPOSEAL system should be installed by approved contractors. Following information should be used as a guideline.

Surface preparation

Concrete Surface

The long-term durability of the applied **EPOSEAL** is dependent on the adhesive bond achieved with the substrate. It is most important therefore, that substrate surfaces is correctly prepared prior to application. After surface is dry, all repair work like sealing of joints, crack filling of cavities and crevices should be carried out.

- a) New concrete or cementitious substrates should have been placed atleast 28 days and have a moisture content of less than 5% before coating with **EPOSEAL**.
- b) Before application, the surface to be coated, should be free from loose particles, rust, oils, grease, or earlier coatings and should be thoroughly dry.
- c) After surface is dry, all repair work like sealing of joints, crack filling of cavities and crevices by grouting or any other means should be carried out.
- d) If pinholes are observed on the surface, the same should be filled with epoxy putty.

Steel Surface

It is necessary to expose bare metal by any suitable means. Solvent cleaning is recommended to remove oil and grease traces if there are any.

PRIMING

Mix the two components of recommended primer and apply on the prepared surface by means of brush or roller.

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COATING

EPOSEAL must be applied immediately after mixing the two components. Apply two coats of **EPOSEAL** on previously primed surface by means of brush or roller with an intercoat interval of 6 - 8 hrs.

CURING

The surface of **EPOSEAL** will be tack free in 3-4 hours. The coated area may be put back in service after 5 days.

Substrate Requirements

Must be free from rising dampness.
All contamination must be removed to give a clean dry textured surface.
Concrete tanks must be tested for water tightness before coating.

RECOMMENDATIONS

Apply only on a clean sound and properly prepared substrate.
Do not use water or steam in the vicinity of the application. Moisture can seriously affect the working time and properties of material.

Packaging

EPOSEAL is available in 6 Kg composite packs for easy handling.

Shelf life

EPOSEAL has a shelf life of 12 months if kept in warehouse conditions at 30°C in the original, unopened pack.

Storage conditions

Store in dry conditions between 5°C and 30°C, away from sources of heat and naked flames, in the original, unopened packs. If stored at high temperatures the shelf life will be reduced

Handling & Safety

Keep the containers tightly sealed when not in use. Avoid skin contact and inhalation of fumes (if any). While spraying it is advised to wear a mask. If it comes in contact with the body, wash affected parts with plenty of water. In case of persistent irritation, contact a physician.

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