

EXPANCOTE ZINCRICH PRIMER*



Two component epoxy resin zinc-rich primer

Uses

Expancote Zincrich Primer is an anti-corrosion primer for steel surfaces. The cured film is corrosion resistant, especially designs to use with epoxy resin coating, and with concrete repair system.

Advantages

- ◆ Protect ferrous metals
- ◆ Prevent rust creep
- ◆ Good adhesion with cementitious material
- ◆ Easy application by brush or roller

Description

Expancote Zincrich Primer is a two component epoxy resin zincrich containing primer it is supplied in pre-measured quantities ready for site mixing

Design criteria

Expancote Zincrich Primer is designed to be applied in one or two coats to achieve a minimum total dry film thickness of 50 microns per coat. It cures to semi-gloss dark gray finish, to achieve correct protection the material must be applied on the substrate at the coverage rate recommended

Technical support

Fospak offers a technical support package to specifiers, end users and contractors, as well as on-site technical assistance all over the country.

Properties

The values given below are average figures achieved in laboratory tests at **20 °C** and **35 °C**. actual values obtained on site may show variations from those quoted.

Volume solids:	60 %	
	20 °C	35 °C
Pot life:	90 Minutes	60 Minutes
Tack free time:	60 Minutes	40 Minutes
Time between coats:	8 – 12 Hours	6 - 8 hours
Initial hardness:	48 hours	24 hours
Film thickness:	50 microns DFT per coat	

Specification clauses

The anticorrosion primer shall be **Expancote Zincrich Primer** a zinc-rich material design to provide a rust inhibiting protection to ferrous metal work

Application instruction

Preparation

All ferrous material must be clean and free from oil, grease mill scale, rust and existing coating. This is best achieved by grit/sand blasting, although thorough wire brush can be sufficient. Some rust removers based on phosphoric acid tend to leave an electrically insulation film on ferrous metals and must not be used.

Mixing

The contents of the base should be stirred thoroughly to disperse any settlement. The entire contents of the hardener can should be stirred and added to the base container and mixed thoroughly until a uniform colour and consistency are obtained, taking particular care to scrape the sides and bottom of the container.



CONSTRUCTION CHEMISTRY

Application

In order to obtain the protective protections of **Expancote Zincrich Primer** it is important that the correct rate of application is achieved.

All prepared surfaces should be treated with one or two coats of **Expancote Zincrich Primer**, the material should be liberally applied without any attempt to brush or roller out.

The application of top coat should be proceed as soon as the **Expancote Zincrich Primer** is fully dry normally it will take 4 – 6 hours @ 30 °C

Low temperature working

The minimum application temperature is 5 °C. The material should not be applied when the substrate and/or air temperature is 5 °C and falling. At 5 °C static temperature or at 5 °C and rising, the application may proceed.

Cleaning

ExpancoteZincrich Primer should be removed from tools, equipment and mixers with **Fospak Solvent 102** immediately after use.

Storage/shelf life

Expancote Zincrich Primer has minimum shelf life of 12 months, if kept in a dry cool storage in original unopened containers

Precautions

Health and safety

Expancote Zincrich Primer and **Fospak Solvent 102** should not come in contact with the skin and eyes, or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Some peoples are sensitive to resins, hardeners and solvents. Wear suitable protection clothing, gloves and eye protection.

Fire

Expancote Zincrich Primer and **Fospak Solvent 102** are flammable. Keep away from sources of ignition. No smoking, in the event of fire, extinguish with CO² or foam. Do not use a water jet.

Estimation

Supply

Expancote Zincrich Primer	: 1 Ltr Pack
Fospak Solvent 102	: 5 Ltr. Can

Coverage

Expancote Zincrich Primer	: 8 m ² / Ltr.
Fospak Solvent 102	: Depend on use

* Denotes the trademark registered

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