



Vetoprime EP390

Two component epoxy zinc rich and solvent free primer

Uses

- As an industrial-grade primer for resinous flooring and concrete repair systems.
- As a primer on damp concrete.
- Sealing of highly porous cementitious substrates.
- As a primer and corrosion inhibitor for steel re-baring and reinforcements in concrete structures.

Product Description

Vetoprime EP390 is a two-component solvent-free epoxy modified with zinc to provide the highest protection against steel corrosion. It is a specialty industrial primer for the Vetorep and Vetotop product range, its applied on prepared concrete and cementitious substrates to seal the substrate and enhance bonding with topcoats. The product can be used as a stand-alone product in internal applications as a seal coat to harden cementitious surfaces and prevent dusting. Vetoprime EP390 has sealing properties, making it ideal for concrete substrates.

Advantages

- Easily applied by brush, roller, or spray.
- Versatile with applications in a large number of coating materials and sealants.
- It can be applied to damp concrete.
- High wetting properties.
- Damp tolerant.
- Perfect for use with epoxy, urethane repairs, screeds, and self-smoothing toppings.
- Prevents corrosion and rust of rebars and steel reinforcement.
- Cost-effective, suitable for use in MENA region conditions.

General Applications

- Priming of joint edges to receive urethane, epoxy, and polyurea based sealants.
- Priming concrete slabs and walls to receive solvent free epoxy, urethane, MMA, polyurea, hybrid coatings, screeds, and self-smoothing toppings.
- Priming of concrete substrates to receive epoxy and urethane based repair mortars.
- Priming of cementitious screeds to receive epoxy, urethane, and resinous toppings.

Technical Data

Vetoprime EP390	Typical Values @ 20°C
Pot Life (Minutes)	30
Tack Free Time (Hours)	24
Maximum Open Time (Hours)	48
Appearance	Transparent Yellowish Liquid
Application Thickness (microns)	100 - 150
Solids Content (Volume) (%)	100
Mixed Density (kg/liter)	-1.1
Adhesion Bond to Concrete	Higher than host concrete cohesive strength.

Note: At temperatures below 20°C, the cure rate will be slower. Conversely, at temperatures above 20°C, the cure rate will be faster.

Usage Instructions

Surface Preparation

Vetoprime EP390 must be applied to a sound, clean, and dry surface to achieve maximum bond strength between substrate and coating/repair products.

Concrete Substrates

It should be at least 28 days old, and the relative humidity of the concrete is 75% or below. Laitance deposits on new concrete are best removed by light grit blasting, mechanical scrubbing, or grinding. Where heavy contamination by oil and grease has occurred or existing coatings are present, it is essential to remove contaminations.

Priming

Mix Vetoprime EP390 as supplied. Add the entire Mix Vetoprime EP390 as supplied. Add the entire content of the hardener container to the base container and mix thoroughly for about 2 minutes. Once mixed, apply Vetoprime EP390 in a thin continuous film by using stiff brushes or rollers. Avoid over-application and puddles. Allow Vetoprime EP390 to become tack-free before applying epoxy coating (unless otherwise specified) but well within the open time specified for the given temperature. The hotter the substrate, the more quickly the primer will become dry.

Cleaning

Clean all tools and equipment immediately after use with Vetonit Solvent XX400.

Legal Disclaimer

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Packaging & Coverage

Product	Pack Size	Consumption
Vetoprime EP390	4 Liters kit	28 - 40 m ² /kit

Stated consumption data are for general guidance. Actual consumption depends on the nature of the substrate, consistency used, method of application, and wastage.

Shelf Life & Storage

The original Vetoprime EP390 sealed container has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 35°C.

Health & Safety

Some people are sensitive to epoxy resins, so gloves and a barrier cream shall be used when handling these products. If contact with the resin occurs, it must be removed before it hardens, with a resin removing cream follow by washing with soap and water. Do not use solvent. During use, avoid inhalation of solvent and contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection, and respiratory protective equipment. In case of contact with the eye, rinse immediately with plenty of clean water, and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting.

Vetoprime EP390 is non-flammable.

Refer to Material Safety Data Sheet for further information.

Additional Information

Saveto manufactures a wide range of construction chemicals and specialty products for various applications.

For further information on these products and systems kindly check our website or contact your local Saveto representative.