



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 rebaring 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 corrosion of steel. 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.
- Can be applied on 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 of 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	30 minutes
Tack Free time	24 Hours
Maximum Open Time	48 Hours
Appearance	Transparent Yellowish Liquid
Application Thickness	100 - 150 microns
Solids Content (Volume)	100%
Mixed Density	~1.1 Kg / Liter
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

It is essential that Vetoprime EP390 is applied to a sound, clean, and dry surface in order to achieve maximum bond strength between substrate and coating/repair products.

Concrete Substrates

Should be at least 28 days old and 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 that all contaminations are removed.

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 prior to the application of 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.

Packaging & Coverage

Product	Pack Size	Coverage
Vetoprime EP390	4 Liter kit	28 - 40 m ² /Kit

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

Shelf Life & Storage

Original sealed containers of Vetoprime EP390 have 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 followed 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 divided into the following product groups:

- Waterproofing.
- Concrete Repairs, Grouts and Enhancement.
- Flooring and Coating Systems.
- Wall & Facade Systems.
- Sealants and Joints.
- Renders & Finishes.
- Plasters & Masonry.
- Tiling Systems.
- Primers & Ancillary Products.
- Specialty Products.

Saveto also provides various technical information such as CAD details, detailed method statements, specification clauses, application manuals, product selectors and technical support both in contractors and consultants offices as well as construction sites.

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

LEGAL DISCLAIMER

Saveto endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Saveto has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of TDSs are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.