



Vetoprime EP391

Two component solvent free epoxy 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.

Product Description

Vetoprime EP391 is a two-component solvent-free epoxy. It is a specialty industrial primer for the Vetorep and Vetotop product range. It is applied to 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 EP391 is designed to be the ideal primer for damp concrete.

Advantages

- Easy to apply 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.
- 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 EP391	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

Surface Preparation

It is essential to apply Vetoprime EP391 to a sound and clean surface to achieve maximum bond strength between the substrate and the coating/repair products.

Concrete Substrates

Concrete substrates should be at least 28 days old, and the relative humidity of the concrete is 75% or below. Remove laitance deposits on new concrete by light grit blasting, mechanical scrubbing, or grinding.

Where heavy contamination by oil and grease occurs or existing coatings present, it is essential to remove all contaminations.

Priming

Mix Vetoprime EP391 as supplied. Add the entire content of the hardener container to the base container and mix thoroughly for about 2 minutes. Once mixed, apply the Vetoprime EP391 immediately in a thin continuous film using stiff brushes or rollers. Avoid over-application and puddles.

Allow Vetoprime EP391 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.

Packaging & Coverage

Product	Pack Size	Coverage
Vetoprime EP391	4 Liters kit	28 - 40 m ² /Kit

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

Shelf Life & Storage

The original Vetoprime EP391 sealed container has a shelf life of 12 months, provided to store clear ground in a dry, shaded place below 35°C.

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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 EP391 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 Systems.
- Concrete Repairs & Grouts.
- Flooring Systems.
- Wall & Facade Systems.
- Sealants and Joints.
- Renders & Finishes.
- Plasters & Masonry.
- Tile adhesives & Grouts.
- Primers & Ancillary Products.
- Thermal Insulation Systems.
- Protective Coatings.
- Accessories.

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.