



## Vetoprime EP491

Versatile solvent free epoxy based primer

### Uses

- As a universal versatile primer for resinous flooring and concrete repair systems, especially screeds and self smoothing toppings.
- As a stand-alone sealer and surface hardener.
- As a dust proofer for cementitious surfaces.
- Sealing of highly porous cementitious substrates.

### Product Description

Vetoprime EP491 is a universal primer for the Vetorep and Vetotop product range. It's 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 EP491 is a two-component solvent-free epoxy resin with 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.
- Designed for highly porous surfaces.
- High wetting properties.
- Perfect for use with epoxy, urethane 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 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 EP491	Typical Values @ 20°C
Pot Life	80 min
Tack Free time	3 - 4 hours
Maximum Open Time	48 hours
Appearance	Transparent Yellowish Liquid
Application Thickness	100 - 150 microns
Solids Content (Volume)	100%
Mixed Density	~1.0 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

Vetoprime EP491 must be applied to a sound, clean and dry surface to achieve maximum bond strength between substrate and 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 are present, it is essential to remove all contaminations.

### Priming

Mix Vetoprime EP491 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 EP491 immediately in a thin continuous film using stiff brushes or rollers. Avoid over-application and puddles.

Allow Vetoprime EP491 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 EP491	4 & 15 Liters kit	10 m <sup>2</sup> / liter @ 100 μm

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 sealed kit of Vetoprime EP491 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 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 EP491 is non-flammable.

Refer to the product 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.