



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, its applied on prepared concrete and cementitious substrates to seal the substrate and enhance bonding with top coats. 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 that 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.
- 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	80-120 min
Tack Free time	20 - 36 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

It is essential that Vetoprime EP491 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. Laitence deposits on new concrete are best removed by light grit blasting, mechanical scabbling 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 EP491 as supplied. Add the entire content of hardener can to the base can and mix thoroughly for about 2 minutes. Once mixed, the Vetoprime EP491 shall be immediately applied in a thin continuous film using stiff brushes or rollers. Avoid over-application and puddles.

Vetoprime EP491 shall be allowed 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

All tools and equipment shall be cleaned immediately after use with Vetonit Solvent XX400.

Packaging & Coverage

Product	Pack Size	Coverage
Vetoprime EP491	4 & 15 Liter kits	7 - 10 m ² /Liter

Shelf Life & Storage

Original sealed container 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 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 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.

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