

# Vetoprime CP436

(Formerly Known as Vetoprime CP437)

Corrosion inhibitor for steel reinforcement accepting cementitious repair or concrete



## Uses

- Ideally designed as corrosion protection for steel reinforcement in the concrete repair systems

## Product Description

Vetoprime CP436 is a two-component polymer modified cementitious primer designed to enhance the bond between the Concrete Repair range of repair mortars and existing reinforced steel. Vetoprime CP436 is also designed to protect the steel reinforcement by providing a highly alkaline passivating layer around the reinforcement and migrating corrosion inhibitor technology, which minimizes further corrosion to surrounding steel reinforcement.

## Advantages

- Two component, easy to use.
- High bond strength to concrete and steel.
- Good physical properties and mechanical strength.
- Polymer modified system with low VOC.
- Protection of steel through Migrating Corrosion
- Inhibitor technology.
- Good resistance to water and chloride penetration.
- Safe and environment friendly product.

## Technical Data

Vetoprime CP436	Typical Values @ 20°C
Pot life	40 - 60 min
Density	1.70 kg/Ltr approx.
Toxicity - BS6920	Pass
Chloride Content	Nil
Resistance to Positive Water Pressure DIN 1048	> 8 Bar
Resistance to Negative Water Pressure DIN 1048	> 3 Bar
Static Crack Accomodation	> 1mm
Abrasion Resistance ASTM D4060	Equivalent to 40 N/mm <sup>2</sup> concrete
Chloride Diffusion	No penetration after 24 months
CO <sub>2</sub> Diffusion	> 80m of concrete
Bond Strength	Higher than concrete cohesive strength
Application Temperature	+5°C - 35°C
Harmful to EEC 88/379	No
Volatile Organic Content (VOC)	< 10gm/liter

**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 CP436 to a sound, clean, and dry surface to achieve maximum bond strength between substrate and coating/repair products.

All rust and scale should be removed from any exposed steel reinforcement by grit blasting techniques or equivalent approved methods to a bright steel condition.

### Mixing

Mix Vetoprime CP436 by slowly adding the powder component to the liquid component. Mix thoroughly for about 2 minutes until obtaining a smooth and even consistency.

### Application As Reinforcement Primer

Apply by using a brush two coats of Vetoprime CP436 in a 1mm thickness approximately. Allow each coat to reach the initial setting before the application of the second coat.

### Cleaning

Clean all tools and equipment immediately after use with water.

### Packaging & Coverage

Product	Pack Size	Coverage
Vetoprime CP436	2 kg Kit	1.18m <sup>2</sup> /2kg Kit @ 1mm
	4 kg Kit	2.35m <sup>2</sup> /4kg Kit @ 1mm

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 CP436 has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 35°C.

## Health & Safety

Vetoprime CP436 should not come into contact with skin and eyes or be swallowed. Avoid inhalation of vapor and spray. Use only in well-ventilated areas. In case of insufficient ventilation, wear suitable respiratory protection. Wear suitable protective clothing, gloves, and eye/face protection. Barrier creams provide additional skin protection. Should accidental skin contact occur, remove immediately with a suitable skin cleanser followed by washing with soap and water. In case of contact with eyes, rinse immediately with plenty of water, and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting.

Vetoprime CP436 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 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.

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