



Vetoprime CP436

(Formerly Known as Vetoprime CP437)

Corrosion inhibitor

Uses

- Ideally designed as corrosion protection for steel reinforcement in the concrete repair systems.
- For steel reinforcement accepting cementitious repair or concrete.

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 & steel.
- Good physical properties & mechanical strength.
- Polymer modified system with low VOC.
- Protection of steel through migrating corrosion.
- Inhibitor technology.
- Good resistance to water & chloride penetration.
- Safe & environmentally friendly.

Standards Compliance

- EN 1504-2 (Surface protection systems for concrete).

Technical Data

Vetoprime CP436	Typical Values @ 20°C
Color and Appearance	Gray Cement
Application Thickness (mm)	1
Pot Life (Minutes)	40 - 60
Density (Kg/L)	1.7
Toxicity (BS 6920)	Pass
Chloride Content	Nil
Resistance to Positive Water Pressure (DIN 1048) (Bar)	> 8
Resistance to Negative Water Pressure (DIN 1048) (Bar)	> 3
Static Crack-Bridging (EN 1062-7) (mm)	> 1
Abrasion Resistance - ASTM D4060 (N/mm ²)	Equivalent to 40 (concrete)
Chloride Diffusion	No penetration after 24 months
CO ₂ Diffusion (EN 1062-6) (m)	> 80 of concrete
Bond Strength	Higher than Concrete's Cohesive Strength
Application Temperature (°C)	5 - 35
Harmful to EEC 88/379	No
Volatile Organic Content (VOC) (gm/ltr)	< 10

Note: At temperatures below 20°C, the curing rate will be slower. Conversely, at temperatures above 20°C, it 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 until the steel is in a bright condition.

Mixing

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

Application As Reinforcement Primer

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

Cleaning

Clean all tools & equipment with water immediately after use.

Legal Disclaimer

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Hard copies of TDSs are printed once or twice a year. Our technical data sheets are continuously updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

Packaging & Coverage

Product	Pack Size	Coverage
Vetoprime CP436	2 kg	1 m ² / 2 kg kit/coat @1 mm thickness
	4 kg Kit	2 m ² / 4 kg kit/coat @1 mm thickness

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

Shelf Life & Storage

The original sealed container of Vetoprime CP436 has a shelf life of 12 months, provided it is stored clear off the ground, in a dry & shaded place at a temperature below 35°C.

Health & Safety

Vetoprime CP436 should not come in contact with your skin or eyes. It should not be swallowed as well. Avoid inhalation of vapors 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 a thorough wash with soap and water. In case of contact with your eyes, rinse immediately with plenty of water and seek medical attention. If swallowed, seek medical attention immediately - do not induce vomiting. Vetoprime CP436 is non-flammable. Refer to the product Material Safety Data Sheet for more 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.