



# Vetorep CR523

Single component cementitious fairing coat

## Uses

- Repair of concrete surface blemishes at thickness from feather edge to 3 mm.
- Unification of concrete surface color.
- Filling of plaster cracks and concrete hair cracks cosmetically.
- Filling blow holes up to 10 mm.
- As a final finish in industrial structures such as parking garages, retaining walls,...etc.

## Product Description

Vetorep CR523 is a single component polymer modified fibered cementitious fairing coat that is ready to use and only requires the addition of water on site. Once mixed the products becomes a smooth paste that is used to repair surface imperfections up to 3 mm thickness while being compatible with host concrete. Vetorep CR523 is composed of a blend of hydraulic cements, carefully selected and graded aggregates, fibers and special additives to give it its unique properties.

## Advantages

- Easy to use single component product.
- Breathable, compatible to host concrete.
- Self priming, no need for an independent primer for substrate.
- Self curing.
- Chloride free.

## Standards Compliance

- BS:EN 1015 - 12 (per BS EN 998)
- ASTM C348
- ASTM C109
- BS:EN 413-2

## Design Criteria

Vetorep CR523 cementitious fairing coat is designed for vertical and overhead use to infill honeycombing and voids up to 3 mm deep in the surface of concrete. It can also be applied as a render from a feather-edge up to 3 mm thick and as blowhole filler up to 10 mm deep

## Technical Data

Vetorep CR523	Typical Values
Coefficient of thermal expansion	10 to 12 x 10 <sup>-6</sup> / °C
Working life	40 minutes @ 35°C
Fresh Wet Density	Approximately 1.8 kg/ltr
Setting Time	2 - 3 hours
Compressive Strength ASTM C109	>23.16 N/mm <sup>2</sup> @ 28 days
Flexural Strength ASTM C348	>2.79 N/mm <sup>2</sup> @ 28 days
Bond Strength BS EN1015-12	>1 N/mm <sup>2</sup> @ 28 days
Water Retention BS EN413.2	99.8%
Maximum Aggregate Size	0.1 mm
VOC Content ASTM D2369	<10 gm / Liter (LEED Compliant)

## Usage Instructions

### Surface Preparation

All surfaces should be clean, sound and uncontaminated prior to the application of Vetorep CR523. The prepared area should be cleaned thoroughly by brush and/or compressed air. The prepared area should be soaked with water immediately prior to the application of Vetorep CR523.

### Mixing

To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used. However for small quantities, Vetorep CR523 can be hand mixed using proper tools and bucket.

Pour 7.5 - 8.5 liter of fresh water to a clean container then add the powder slowly to the water while mixing continuously with low speed mixer/drill (400 - 600 rpm). Mixing time should be continued for 3 minutes until uniform consistency is obtained.

To enhance the scratch resistance of Vetorep CR523, the addition of Vetobond PB434 is advisable. Consult your Saveto representative for further information.

### Placing and Finishing

Vetorep CR523 can be applied by steel trowel. The mixed mortar can be applied to the prepared substrates at up to 3 mm thicknesses. The applied mortar should be allowed to stiffen before trowelling to a smooth finish..

### Curing

Curing is not required for Vetorep CR523 in normal ambient conditions. In the case of harsh weather conditions, such as high wind and temperatures, it is recommended to cure with Vetobond AB432.

## Packaging & Coverage

Product	Pack Size	Consumption
Vetorep CR523	25 Kg Bag	18 Liters Yield

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

## Shelf Life & Storage

Original sealed bags of Vetorep CR523 has a shelf life of 12 months provided it is stored clear of ground in a dry and shaded temperature controlled place <35°C.

## Health & Safety

Vetorep CR523 Contains reins which may cause sensitization by skin contact. Avoid contact with skin and eyes and inhalation of vapor. Wear suitable protective clothing, gloves and eye/face protection. Barrier creams provide additional skin protection. Should accidental skin contact occur, remove immediately with a resin removing cream, followed by soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed seek medical attention immediately. Do not induce vomiting.

Vetorep CR523 is non-flammable.

## Additional Information

Saveto manufactures a wide range of construction chemicals and specialty products for various applications divided into the following product groups:

- Waterproofing.
- Concrete Repair, Grouts and Enhancements.
- 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.

## LEGAL DISCLAIMER

Saveto endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Saveto has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of TDSs are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.