



Vetorep CR523

Single component cementitious fairing coat

Uses

- Repair of concrete surface blemishes at a 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 become 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 cement, carefully selected and graded aggregates, fibers, and special additives to give it its unique properties.

Advantages

- Easy to use a 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 and 3mm wide.

Technical Data

Vetorep CR523	Typical Values
Working life	40 minutes @ 35°C
Fresh Wet Density	Approximately 1.8 kg/ltr
Setting Time	2 - 3 hours
Compressive Strength ASTM C109	>15 N/mm ² @ 28 days
Flexural Strength ASTM C348	>2.5 N/mm ² @ 28 days
Bond Strength BS EN1015-12	>1 N/mm ² @ 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. Clean the prepared area thoroughly by using a brush and/or compressed air. Soak the prepared with water immediately prior to the application of Vetorep CR523.

Mixing

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

Pour 7 - 8.5 liter of fresh water into a clean container then add the powder slowly to the water while mixing continuously with a low-speed mixer/drill (400 - 600 rpm). Continue mixing for 3 minutes until obtaining a uniform consistency. Leave the mixture for 5 - 10 minutes to mature, then remix again for 30 - 60 sec without adding further water, the material will be ready for use.

To enhance the scratch resistance of Vetorep CR523, we advise adding Vetobond PB434. Consult your Saveto representative for further information.

Placing and Finishing

Apply Vetorep CR523 by using a steel trowel. Apply the mixed mortar to the prepared substrates up to a thickness of 3mm. Allow the applied mortar to stiffen before trowelling to a smooth finish.

Blowhole or bug holes might have a larger size, so, to ensure the well filling and the right repair of the hole (if it is more the 5mm deep and wide), fill the cavities gradually.

Curing

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

Packaging & Coverage

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

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

Cleaning

Clean all tools should immediately after application using fresh water. Clean hardened materials mechanically.

Shelf Life & Storage

Original sealed bags of Vetorep CR523 have a shelf life of 12 months, provided to store clear of ground, in a dry and shaded temperature controlled place <35°C.

Health & Safety

Vetorep CR523 Contains resins that may cause sensitization by skin contact. Avoid contact with skin and eyes and avoid inhaling the 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.

For further information on these products and systems kindly check our website or contact your local Saveto representative.