Zentrifix KMH

Mineral corrosion protection coat and bond coat

Product Properties

- Cement-bound
- One-component
- Short overcoating times
- Tested and independently monitored according to ZTV-ING, TL/TP BE PCC and DAfStb-repair guideline for exposure classes M2/M3
- Certified according to EN 1504 part 3

Areas of Application

- Active corrosion protection for reinforced steel in the course of concrete repair
- Bond coat for interior and exterior areas
- Approved for PCC I and PCC II according to ZTV-ING
- According to DAfStb-repair guideline approved for exposition classes M2/M3
- Certified and classified according to EN 1504 part 7 for principle 11, procedure 11.1

Application

Substrate Preparation

Reinforced Steel
The reinforced steel must be prepared to standard SA 2 ½ according to DIN EN ISO 12944-4. There must be no rust film or other separating or corrosion-conducive materials. Quartz-free grit blasting is a suitable cleaning method.

Substrate Preparation
See leaflet “General Application Advice Coarse Mortars / Concrete Replacement Systems“.

Mixing
Zentrifix KMH is added to the prepared water under constant stirring and mixed until a homogenous and lump-free mortar with an easy-to-spread consistency is achieved. Mixing takes at least 5 minutes. Use slowly rotating mixers.

Mixing Ratio
Please refer to the “Technical Data” table. For a 5 kg bag of Zentrifix KMH approx. 0.9 to 0.95 litres of water are required, while a 20 kg bag takes approx. 3.6 to 3.8 litres. As with other cement-bound products the quantity of added water may vary.

Application

As Corrosion Protection
Zentrifix KMH is applied onto the prepared reinforced steel in two work steps, using suitable painting tools (brushes, paint-brushes). Tying wires, edges and the juncture between reinforcement and concrete must be treated thoroughly to achieve the necessary layer thick-ness.

As Bond Coat
Before application of Zentrifix KMH the substrate must be pre-wetted. Highly absorbent substrates must be pre-wetted repeatedly. Zentrifix KMH must then be brushed thoroughly into the slightly damp, non-saturated, substrate. If applied onto horizontal areas ponding is not permitted and must be avoided. Do not pre-wet a larger area than can be overworked fresh-in-fresh. Short-bristled brushes are suitable for application.

If used for horizontal/floor application Zentrifix KMH may also be applied by spraying, using a worm pump with a discharge flow of < 1 litre per minute. If the bond coat is applied in such a way it must be worked in subsequently, using brushes.

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Technical Data for Zentrifix KMH

Characteristic	Unit	Value**	Comments
Fresh mortar density	kg/dm³	2.10	-
Coverage (dry mortar)	kg/dm³	1.70	-
Application time	minutes	75 60 45	at + 5 °C at + 20 °C at + 30 °C
Overcoating times	hours	approx. 3 approx. 3	between 1st and 2nd coat corrosion protection coat between 2nd corrosion protection coat and application of bond coat
Total coverage*	g/m g/m²	120 1,000 -1,100	as corrosion protection (steel ø 8 mm} as bond coat
Application conditions	°C	≥ 5 - ≤ 30	air, material and substrate temperature
Mixing ratio	p. b. w.	100 : 18 - 19	Zentrifix KMH : water

Product Characteristics for Zentrifix KMH

Colour	cement-grey
Delivery	2 x 5 kg bags, 20 kg bags
Storage	Can be stored in cool (below 20 °C) and dry conditions for at least one year in original unopened packs.
Disposal	Packs must be emptied completely.

* The coverage rates depend on the roughness and temperature of the substrate, as well as on the storage- and working-temperatures. We recommend to lay sample areas to determine the object-specific coverage.

** All values have been determined at + 23 °C and 50 % relative humidity

Safety Advice
Please take notice of the safety information and advice given on the packaging labels and safety information sheets.

Edition 08/16. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.

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