

Mineral corrosion protection coat and bond coat

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 DAfSB-repair guideline approved for exposition classes M2/M3
- Certified and classified according to EN 1504 part 7 for principle 11, procedure 11.1

Properties

- Cement-bound.
- One-component.
- Short overcoating times.
- Tested and independently monitored according to ZTV-ING, part 3m for the application domains PCC I and II, as for DAfSB-repair guideline for exposure classes M2/M3.
- Certified according to EN 1504 part 3.

Directions

Preparation

- 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-conductive materials. Quartz-free grit blasting is a suitable cleaning method.

Work method

- **Nafufill 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.
- For a 5 kg bag of **Nafufill KMH** approximately 0,9 to 0,95 litres of water is required.
- As with other cement-bound products the quantity of added water may vary.
- **As corrosion protection**
 - o **Nafufill KMH** is applied onto the prepared reinforced steel in two work steps, using suitable painting tools (brushes, paint-brushes).
 - o Tying wires, edges and the juncture between reinforcement and concrete must be treated thoroughly to achieve the necessary layer thick-ness.
- **As bond coat**
 - o Before application the substrate must be pre-wetted.
 - o Highly absorbent substrates must be pre-wetted repeatedly.
 - o **Nafufill KMH** must then be brushed thoroughly into the slightly damp, non-saturated, substrate.
 - o If applied onto horizontal areas ponding is not permitted and must be avoided.
 - o Do no pre-wet a larger area than can be overworked fresh-in-fresh.
 - o Short-bristled brushes are suitable for application.

Important remarks

- 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.
- The application conditions concerning air/material and sub-soil temperature are between >5°C and <35°C.

Technical characteristics

Colour	cement-grey
Density	2,10 kg/dm ³
Application time	75 minutes at 5°C 60 minutes at 20°C 45 minutes at 30°C
Overcoating times	+/- 3 hours between 1 st and 2 nd coat corrosion protection coat +/- 3 hours between 2 nd corrosion protection coat and application of bond coat

Quantity to use

120 g/m as corrosion protection (steel Ø 8 mm)
1000 – 1100 g/m² as bond coat

Packaging

5 kg

Safety information – Transport – Handling and storage - Waste

Consult the most recent and product-related safety information sheet from Rewah in compliance with the (EU) 453/2010 annex II/A guidelines. The information on the abovementioned safety information sheet has been drawn up with the greatest care and is based on the knowledge available at the date of issue. We accept no liability for damage or hindrance of any kind which could be caused by the use of the product concerned.

Transport and storage

Store the product and its packaging dry and protect against moisture.

Storage life

1 year after manufacturing in the original closed packaging.

Considerations

The data included in this sheet, the application advices and other recommendations are based on extensive research and experience. They are however not binding also in relation to third party liability. They do not protect the customer against checking the products and directions for their suitability for the purpose. The characteristics and properties described are average values and analyses registered at 20°C, variances are tolerated. Our customer service will gladly answer your questions. The rewrite of this sheet replaces all previous sheets.