

# Colusal MK

## Mineral corrosion protection coat

### Product Properties

- Cement-bound
- Two-component
- Short overcoating times
- Tested and independently monitored according to ZTV-ING, TL/TP SPCC and DAfStb-repair guideline for exposure classes M2 / M3
- Approved as system with Nafufill GTS, Nafufill GTS-HS and Nafufill KM 250

### Areas of Application

- Active corrosion protection for reinforced steel in the course of concrete repair
- Approved for the area of application SPCC according to ZTV-ING
- Approved for exposure classes M2 / M3
- Certified and classified according to EN 1504 part 7 for principle 11; procedure 11.1

### Application

#### Substrate Preparation

The reinforced steel must be prepared in compliance with DIN EN ISO 12944-4 to the standard SA 2 1/2. It must be free from any rust film and other separating and corroding agents. Quartz-free granulate blasting is a suitable cleaning method.

#### Mixing

Colusal MK consists of two components, a powder- and a liquid component, delivered prepacked quantities. To achieve an easily spreadable consistency they must be mixed until homogeneous and lump-free. Mixing takes at least 3 minutes.

#### Application

Colusal MK is applied to the prepared reinforced steel in two or three work-steps, depending on system approval, using suitable painting tools (brushes, paint-brushes).

Fixation wires, edges and transition areas between reinforcement and concrete must be coated thoroughly to guarantee that the necessary layer thickness is achieved in these areas.

Please take note of the application information and waiting intervals given in the general building supervision certificate.



## Technical Data for Colusal MK

Characteristic	Unit	Value**	Comments
Density	g/cm <sup>3</sup>	2.05	-
Pot life	minutes	75 60 45	at + 5 °C at + 20 °C at + 30 °C
Overcoating times as system with Nafufill GTS / GTS-HS	hours	approx. 3 approx. 16 approx. 48	between 1st and 2nd application between 2nd and 3rd application until application of the SPCC system
Total coverage* 3-layer application	g/m	150 340	steel ø 8 mm steel ø 16 mm
Overcoating times as system with Nafufill KM 250	hours	approx. 2 approx. 18	between 1st and 2nd application until application of the SPCC system
Total coverage* 2-layer application	g/m	100 230	steel ø 8 mm steel ø 16 mm
Application conditions	°C	≥ 5 - ≤ 30	air, material and substrate temperature

## Product Characteristics for Colusal MK

Colour	cement-grey
Delivery	1.1 kg packs
Storage	Can be stored in cool (below 20 °C) and dry conditions for at least one year in original sealed packs. Protect from frost!
Disposal	Packs must be emptied completely.

\* The coverage rates depend on roughness and temperature of the substrate, as well as storage- and working-temperature. To determine the coverage for a specific structure we recommend to lay a sample area.

\*\* All values relate to 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.

**Note:** The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 05/16. 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.