

Nafufill MK

(formerly Colusal MK)

Corrosion protection coat



PRODUCT PROPERTIES

- Two-component
- Easy application due to its spreadable consistency
- Short overcoating times
- Suitable as active corrosion protection coat proved according to DIN 50017, DIN 50018 and DIN 50021
- Approved according to ZTV-ING, part 3 'Solid Construction' for the scope of SPCC and according to DAfStb repair guideline for exposure classes M2 and M3

AREAS OF APPLICATION

- Active corrosion protection coat for exposed concrete steel at reinforced concrete constructions
- Suitable for interior and exterior areas
- System design with Nafufill GTS, Nafufill GTS-HS and Nafufill KM 250
- Certified according to EN 1504-7 for principle 11, procedure 11.1

APPLICATION ADVICE

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. Compressed air blasting with solid grit is a suitable cleaning method to achieve the specified standard grade of cleanliness.

Mixing: Nafufill 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: Nafufill 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 VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	g/cm ³	2.05	
Mixing ratio	p.b.w.	9 : 2	powder component : liquid
Working time	mi- nutes	75	at 5°C
		60	at 20°C
		45	at 30°C
Application conditions	°C	≥ 5 ≤ 30	air, substrate and material temperatures
Applied quantity (two-layered)	g/m	100	steel Ø 8 mm per layer/coating
		230	steel Ø 16 mm
Applied quantity (three-layered)	g/m	150	steel Ø 8 mm
		340	steel Ø 16 mm
Waiting times (system structure)	hours		Nafufill GTS / GTS-HS
		ap- prox. 3	between 1st and 2nd coat
		ap- prox. 1 6	between 2nd and 3rd coat
	ap- prox. 4 8	Until application of spray mortar	
	hours		Nafufill KM 250
		ap- prox. 3	between 1st and 2nd coat
ap- prox. 1 8		Until application of spray mortar	

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

Form	viscous to pasty
Colour Shade	Cement grey
Storage	Can be stored in cool and dry conditions for at least 12 months in original unopened packs. Protect from frost.
Packaging Disposal	Make sure single-use containers are completely empty. Ensure compliance with our information leaflet "Return of Emptied Transportation and Sale Packaging". We will be glad to send you this on request.

Note: The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2100005802]