

# Nafuflex 1 K

One-component polymer-modified thick bituminous coating (PMBC) for waterproofing building structures



## PRODUCT PROPERTIES

- In accordance with DIN 18533 and DIN EN 15814
- Solvent-free and eco-friendly
- Polystyrene-filled
- Impervious to radon

## AREAS OF APPLICATION

- Waterproofing of building structures in accordance with DIN 18533 W1-E, W2.1-E, W3-E and W4-E and DIN EN 15814
- Adhesive for backing panels, insulation panels and drainage panels

## APPLICATION ADVICE

**Substrate Preparation:** Nafuflex 1K can be applied to all mineral substrates. The substrate preparation should comply with DIN 18533, part 3. The substrate preparation should comply with DIN 18533, part 1 and 3. Grooves has to be created with the mineral mortar Oxal SPM.

**Priming:** For regular absorbent substrates the undercoat can be made from 1 part Nafuflex 1K and 10 parts water. Highly absorptive or powdery substrates should be primed with Nafuflex GIP.

**Application:** Nafuflex 1K is applied evenly and free of pores, with a trowel. Layer thickness depends on the water influence class in accordance with DIN 18533. A reinforcing inlay (Nafuflex-GRID 25 NF) has to be inserted if necessary.

Before spray application please ask our application experts.

**Curing:** Protect Nafuflex 1K from rain until it has developed rain resistance. Water pressure and frost exposure must be prevented until the coating has dried out completely. The dried coating should be covered with a protective coat to protect it permanently from static, dynamic and thermal wearing and only then is it possible to refill the excavation pit. Outdoor weathering over an extended period must be avoided as this might lead to cracking on the surface.

**General Information:** If the work is interrupted opened Nafuflex 1K packs must be closed air-tight. Further application information can be found on a separate data sheet.

DIN 18533 and the regulation for the planning and implementation of waterproofing with polymer-modified thick bituminous coatings (may 2010) must be observed when sealing building structures with polymer-modified bituminous thick coatings. A short summary of all relevant paragraphs is available on a separate information sheet.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm <sup>3</sup>	0.75	
Application conditions	°C	≥ 5	air and substrate temperatures
Consumption (flat)	l/m <sup>2</sup>	3.6	3.6 wet / 3.0 dry
		4.8	4.8 wet / 4.0 dry
Drying time	days	approx. 2 - 4	at 20° C and 65 % rel. humidity
			depending on temperature, humidity, substrate and wet layer thickness, drying time may be longer or shorter
Test certificates	CE marking per EN 15814		
Delivery form	30 l hobbock; 1 pallet (12 hobbocks @ 30 l)		
Storage	Can be stored in original sealed packages at temperatures between 5°C and 30°C in dry conditions for at least 6 months.		
Packaging disposal	Make sure single-use containers are completely empty.		

### Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : BBP10

**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. [2300018576]