

# Nafuflex High Performance

Two-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
- Powder component allows quick drying
- Highly flexible and crack-bridging up to 3 mm
- Better resistance against bending down to - 10 °C
- Higher resistance against heat up to 130 °C
- Polystyrene-filled

## AREAS OF APPLICATION

- Waterproofing vertical, horizontal inclined surfaces underneath protective layers according DIN to 18533
- Waterproofing for the water influence classes W1-E, W2.1-E, W3-E and W4-E
- Especially for the subsequence waterproofing during repair measures

## APPLICATION ADVICE

**Substrate Preparation:** Nafuflex High Performance can be applied to all mineral substrates. The substrate preparation should comply with DIN 18533, part 1 and 3. We recommend that coverings are formed minerally using Oxal SPM.

**Undercoat:** For standard absorbent substrates the undercoat can be made from 1 part Nafuflex High Performance and 10 parts water. Highly absorbent or powdery substrate should be primed with Nafuflex GIP.

**Mixing:** Nafuflex High Performance is mixed for at least 3 minutes at the delivered mixing ratio 5 : 1 parts by mass to a homogenous and paste-like filling compound, using a slow-moving agitator.

**Application:** Nafuflex High Performance is applied evenly and free of pores, using a trowel. Layer thickness depends on the potential water pressure acting on the building and is determined in accordance with DIN 18195, part 4-6. A reinforcing inlay (Nafuflex-GRID 25 NF) can be inserted if necessary.

**Curing:** Protect Nafuflex High Performance 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 wear 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:** 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 thick bituminous coatings. A short summary of all relevant paragraphs is available on a separate information sheet.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density (mixture)	kg/dm <sup>3</sup>	0.7	mix
Working time	hours	1 - 2	at 20°C and 65% rel. humidity
Application conditions	°C	≥ 5	air and substrate temperatures
Consumption (flat) <sup>1)</sup>	l/m <sup>2</sup>	3.5	3.5 wet / 3.0 dry
		4.7	4.7 wet / 4.0 dry
Drying time	days	1 - 2	at 20°C and 65% rel. humidity depending on temperature, humidity, substrate and wet layer thickness, drying time may be longer or shorter

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

1)

test certificates	CE marking per EN 15814, radon impermeability (Saarland University, Homburg)
delivery form	27 l hobcock 1 pallet (12 hobcocks @ 27 l)
Storage	Can be stored in original sealed packages at temperatures between 5°C and 30°C in dry conditions for at least 12 months.
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.

### 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. [2100004641]