

# Nafuflex Basic 1

Extra fast drying one-component polymer-modified bituminous thick coating (PMBC) for waterproofing of building structures



## PRODUCT PROPERTIES

- Extra fast drying properties
- Highly flexible and crack-bridging
- Trowel-able consistency
- High efficiency
- Solvent-free and eco-friendly
- In accordance with DIN 18533 and DIN EN 15814
- Adhesive for backing panels, insulation panels and drainage panels

## AREAS OF APPLICATION

- Waterproofing of vertical, horizontal and inclined surfaces underneath protective layers according to DIN 18533
- Waterproofing for the water influence classes W1-E, W2.1-E, W3-E and W4-E
- Adhesive for backing panels, insulation panels and drainage panels

## APPLICATION ADVICE

**Substrate Preparation:** Nafuflex Basic 1 can be applied to all mineral substrates. The substrate preparation should comply with DIN 18533, part 1 and 3. The substrate must be frost-free, dry, free from anti-adhesive (e.g. dust, release agent) and free from surface pockets, gaping cracks or ridges. Matt-damp or slightly moist surfaces are tolerable. Against rear damping, a mineral sealing slurry (e.g. Oxal DS- HS) needs to be applied. Recesses  $\geq 5$  mm have to be filled and closed with a suitable barrier mortar (Oxal SPM). In the area of floor to wall connections a groove with the mineral mortar Oxal SPM has to be created.

Before applying the bituminous thick coating, an undercoat is necessary. For regular absorbent substrates the undercoat can be made from 1 part of Nafuflex Basic 1 and 10 parts of water. Highly absorptive or powdery substrates should be primed with Nafuflex GIP.

**Application:** Nafuflex Basic 1 is applied evenly and free of pores to the substrate using a trowel. Depending on the technical details of a machine, the material can also be sprayed.

The layer thickness depends on the water influence class. For the water influence classes W1-E and W4-E a minimum of 3 mm dry layer thickness (in 2 layers) is required. The water influence classes W2.1-E and W3-E demand at least 4 mm dry layer thickness (in 2 layers) containing the certified reinforcement Nafuflex Grid 25 NF.

**Curing:** Protect Nafuflex Basic 1 from rain until it has developed its rain resistance. Water penetration and frost exposure must be prevented until the coating has dried out completely. The fully cured waterproofing must be lastingly protected from damaging influences such as static, dynamic and thermal influences as well as UV radiation. This is done by installing an appropriate protective layer (e.g. perimeter insulation). Only then it is possible to refill the excavation pit layer-by-layer.

**Further Information:** DIN 18533 and the "Regulation for the Planning and Application of Sealing with Polymer-modified Thick Bituminous Coatings" (3rd edition, Mai 2010) must be considered when sealing building structures with polymer-modified bituminous thick coatings.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density (mixture)	kg/dm <sup>3</sup>	0.7	
Application conditions	°C	≥ 5	air and substrate temperatures
Consumption	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. 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
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. [2300018577]