

# Nafuflex Basic 2

**Fast drying two-component, polymer-modified bituminous thick coating (PMBC) for waterproofing of building structures**

## Product Properties

- Polymer-modified bituminous thick coating (PMBC)
- The powder component allows fast drying
- Highly flexible and crack-bridging
- Trowel-able consistency
- Impervious to radon
- Solvent-free and eco friendly
- In accordance with DIN 18533 and DIN EN 15814

## 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

## Application Notes

### Substrate Preparation

Nafuflex Basic 2 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 2 and 10 parts of water. Highly absorptive or powdery substrates should be primed with Nafuflex GIP.

### Application

Nafuflex Basic 2 is mixed for at least 3 minutes into a homogenous and paste-like filling compound with an anchor-shaped agitator at slow rotation rate. This filling compound is applied evenly and free of pores to the substrate using a trowel.

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 2 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.

### General 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 Data for Nafuflex Basic 2

Characteristic	Unit	Value	Comments
Density	g/cm <sup>3</sup>	1.15	mixed material
Processing time	hours	1 - 2	at 20 °C and 65 % relative humidity
Processing temperature	°C	≥ +5	air and substrate temperature
Drying	days	1 - 2	at 20 °C and 65 % relative humidity The drying time can be reduced or extended depending on temperature, relative humidity, substrate, and wet layer thickness.
Consumption	kg/m <sup>2</sup>	1.6	wet layer thickness 1.4 mm      dry layer thickness 1 mm  The consumption may be higher, dependent on substrate condition and workmanship.

## Product Characteristics for Nafuflex Basic 2

Certification	CE according to DIN EN 15814
Form of delivery	28 kg buckets 1 pallet (12 buckets of 28 kg each)
Storage	Can be stored for at least 12 months in closed packs under frost-free and dry conditions.
Disposal	To protect our environment please empty the packs completely!

Property specifications are based on laboratory tests and may vary in practical application. To determine the individual technical suitability, preliminary suitability tests should be carried out under the application conditions.

**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 04/19. 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.