



# Nafuflex 1K

## Single-component polymer-modified thick bituminous coating for waterproofing building structures

### Product Properties

- Complies with DIN 18195 and DIN EN 15814
- Watery emulsion
- Solvent-free and eco-friendly
- Polystyrene-filled
- Impervious to radon

### Areas of Application

- Waterproofing of building structures in accordance with DIN EN 15814 and DIN 18195, parts 4,5 and 6
- Adhesive for backing panels, insulation panels and drainage panels

### Handling

#### Substrate Preparation

Nafuflex 1K can be applied to all mineral substrates. The substrate preparation should comply with DIN 18195, part 3. We recommend that coverings are formed minerally using Oxal SPM.

#### Undercoat

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 pore-free, with 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-Spezialgewebe 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 develo-

ped 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.

#### Further 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 18195 and the Regulation for the Planning and Implementation of Waterproofing with Polymer-modified Thick Bituminous Coatings (November 2001) 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 Data for Nafuflex 1K

Characteristic	Unit	Value	Comments
Density	g/cm <sup>3</sup>	0.75	
Processing conditions	°C	≥ +5	Air and substrate temperature
Drying	days	2-4	at 20 °C and 65 % air-humidity, the drying time may be shorter or longer, depending on temperature, humidity, substrate and wet layer-thickness
Coverage	l/m <sup>2</sup>	3.6 4.8	Wet layer-thickness      Dry layer-thickness 3.6 mm                      3 mm 4.8 mm                      4 mm The coverage may be higher, depending on substrate condition and workmanship

## Product Characteristics for Nafuflex 1K

Certification	General construction -supervision inspection- certificate in accordance with the "Inspection policies for the issue of general construction-supervision inspection- certificates for building sealing", Edition: April 2013 (MPA, Dortmund) Imperviousness to radon (Saarland University, Homburg)
Storage	Can be stored for at least 6 months in original unopened packs under dry conditions. Protect from frost!
Form of Delivery	30 l bucket 1 pallet (12 buckets of 30 l each)
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 09/13. 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.