

# Nafuflex 2K

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

### Product Properties

- Complies with DIN 18195
- Solvent-free and eco-friendly
- Powder component allows quick drying
- Highly flexible and crack-bridging up to 2 mm
- Impervious to radon

### Areas of Application

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

### Handling

#### Substrate Preparation

Nafuflex 2K can be applied to all mineral substrates. 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 2K and 10 parts water. Highly absorptive or powdery substrates should be primed with Nafuflex GIP.

#### Mixing

Nafuflex 2K is mixed for at least 3 minutes at the delivered mixing-ratio of 3:1 parts by mass into a homogenous and paste-like filling compound, using a slow-moving agitator.

#### Application

Nafuflex 2K is applied evenly and pore-free, 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-Spezialgewebe 25 NF) has to be inserted if necessary. For application by airless-spraying we recommend Nafuflex 2K-SP.

#### Curing

Protect Nafuflex 2K 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.

#### Further Information

Further application information can be found on a separate data sheet.

DIN 18195 and the Regulation for the Planning and Application of Sealings 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 2K

Characteristic	Unit	Value	Comments
Density	g/cm <sup>3</sup>	1.15	
Mixing Ratio	p. b. m.	3 : 1	liquid : powder
Processing time	minutes	90	at 20 °C and 65 % relative air-humidity
Processing conditions	°C	≥ +5	air and substrate temperature
Drying	days	1-2	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>	4.8 6.6	Wet layer-thickness      Dry layer-thickness 4.2 mm                      3 mm 5.7 mm                      4 mm The coverage may be higher, depending on substrate condition and workmanship

## Product Characteristics for Nafuflex 2K

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: February 2008 (MPA, Dortmund) Imperviousness to radon (Saarland University, Homburg)
Storage	Can be stored for at least 12 months in original unopened packs under dry conditions. Protect from frost!
Form of Delivery	28 kg bucket 1 pallet (12 buckets of 30 kg each)
Disposal	To protect our environment please empty the packs completely. Please refer to our "Disposal concept for emptied transportation and sales packaging".

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 10/10. 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.