

# Nafuflex 2K-SP-05

## Two-component polymer-modified bituminous thick coating (PMBC) for waterproofing building structures by spraying

### Product Properties

- In accordance: with DIN 18533 and DIN EN 15814
- Solvent-free and eco-friendly
- Powder component allows quick drying
- Cryoscopic additives for use in winter
- Can be stored at temperatures down to - 5 °C
- Highly flexible and crack-bridging
- Can be applied by airless-spraying

### Areas of Application

- Waterproofing of building structures in accordance with DIN 18533 W1-E, W2.1-E, W3-E, W4-E and DIN EN 15814
- Adhesive for backing panels, insulation panels and drainage panels

### Handling

#### Substrate Preparation

Nafuflex 2K-SP can be applied to all mineral substrates. The substrate preparation should comply with DIN 18533, part 1 and 3. Coves have to be created with the mineral mortar Oxal SPM.

#### Priming

Nafuflex 2K-SP has been developed especially for airless-spraying. When applied by airless-spraying a primer is not necessary.

#### Mixing

Nafuflex 2K-SP is mixed for at least 3 minutes using the delivered mixing ratio of 4.6 : 1 parts by mass into a homogenous and spray able compound, using a slow-moving agitator.

#### Application

Nafuflex 2K-SP is applied evenly and pore-free by spraying. Layer thickness depends on the water influence class in accordance with DIN 18533. A reinforcing grid (Nafuflex-GRID 25 NF) can be inserted if necessary. Subsequent time-consuming smoothing of the applied Nafuflex is usually not necessary.

#### Curing

Protect Nafuflex 2K-SP 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 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 bituminous thick coatings. A short summary of all relevant paragraphs is available on a separate information sheet.



### Technical Data for Nafuflex 2K-SP-05

Characteristic	Unit	Value	Comments
Density	g/cm <sup>3</sup>	1.10	mixed material
Mixing ratio	p. b. m.	4.6 : 1	liquid : powder
Processing time	minutes	90	at 20 °C and 65 % relative air-humidity
Processing temperature	°C	≥ +1 - ≤ +15 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.
Consumption	kg/m <sup>2</sup>	1.6	wet layer thickness      dry layer thickness 1.4 mm                      1 mm  The consumption may be higher, depending on substrate condition and workmanship.

### Product Characteristics for Nafuflex 2K-SP-05

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 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.