

Nafuflex 2K-05

Two-component polymer-modified bituminous thick coating (PMBC) for sealing building structures

Product Properties

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

Areas of Application

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

Application Notes

Substrate Preparation

Nafuflex 2K-05 can be applied on all mineral substrates. The substrate preparation should comply with DIN 18533, part 1 and 3. Grooves has to be created with the mineral mortar Oxal SPM.

Priming

For regular absorbent substrates the undercoat can be made from 1 part Nafuflex 2K-05 and 10 parts water. Highly absorptive or powdery substrates should be primed with Nafuflex GIP.

Mixing

Nafuflex 2K-05 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-05 is applied evenly and pore-free, using a trowel. Layer thickness depends on the water influence class in accordance with DIN 18533. A reinforcing inlay (Nafuflex GRID 25 NF) can be inserted if necessary.

Curing

Protect Nafuflex 2K-05 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.

General Information

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

DIN 18533 and the regulation for the planning and application of sealing 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-05

Characteristic	Unit	Value	Comments	
Density	g/cm ³	1.15	mixed material	
Mixing ratio	p. b. m.	3 : 1	liquid : powder	
Processing time	minutes	90	at 10 °C and 65 % humidity	
Processing temperature	°C	≥ +1 - ≤ +15 air and substrate temperature		
Drying	days	2	at 15 °C	
		4	at 5 °C	
		7	at 0 °C	
		Depending on temperature, humidity, substrate and wet layer thickness the drying time is either shortened or extended.		
Consumption	l/m ²	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-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 under 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.