

# 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 ADVICE

**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.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

| Characteristic            | Unit               | Value                               | Comments  |
|---------------------------|--------------------|-------------------------------------|---|
| Density (mixture)         | kg/dm <sup>3</sup> | 1.15                                |   |
| Mixing ratio              | mass fractions     | 1 : 3                               | (applied by hand)<br>powder component : liquid  |
| Working time (container)  | minutes            | approx. 90                          | at 10 ° C and 50 % relative humidity  |
| Application conditions 1) | °C                 | ≥ 1 ≤ 15<br>< 25                    | air and substrate temperatures<br>material temperature (protect from the sun)   |
| Consumption (flat)        | kg/m <sup>2</sup>  | 4.8<br>6.6                          | 4.2 wet / 3.0 dry<br>5.7 wet / 4.0 dry  |
| Drying time               | days               | approx. 2<br>approx. 4<br>approx. 7 | at 15° C<br>at 5° C<br>at 0° C<br>depending on temperature, humidity, substrate and wet layer thickness, drying time may be longer or shorter |

1) Material otherwise too fast for proper processing

|                    |   |
|--------------------|---|
| Test certificates  | CE marking per EN 15814   |
| Delivery form      | 28 kg hobbock, 1 pallet (18 hobbocks @ 28 kg)   |
| Storage            | Can be stored in original sealed packages at temperatures between -5°C and 30°C in dry conditions for at least 12 months. |
| Packaging disposal | Make sure single-use containers are completely empty.   |

### Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : BBP10

**Note:** The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2400020649]