

## Neopox<sup>®</sup> Primer BM

**Two-component epoxy primer, ideal for applications on top of bitumen membranes**

### Description

Two-component epoxy primer, specially designed for waterproofing applications on top of bitumen membranes, with or without mineral slates

### Fields of application

- Bitumen membranes with or without mineral slate
- Roofs made of concrete, cement tiles or cement screed
- Metallic surfaces

### Properties - Advantages

- Excellent adhesion on top of bitumen membranes with or without mineral slates
- Exhibits elasticity and impermeability to water
- Delays the ageing of the bitumen membrane
- Prevents the migration of the asphalt and the yellowing of the subsequent waterproofing layer (bleed-blocking primer)
- High resistance to abrasion, frost and chemicals (dilute acids, alkalis, etc.)
- Ideal bridge of adhesion for solvent-based liquid waterproofing systems, such as **Neoproof<sup>®</sup> Polyurea** systems
- May also be overcoated with water-based liquid waterproofing systems, after broadcasting quartz sand
- Eco-friendly, compared to other alternatives – contains bio-based raw materials



### Packing

Set (A+B) of 5kg

### Technical characteristics

Mixing ratio A:B (by weight)	70:30
Density (EN ISO 2811-1)	1,06kg/L (±0,1)
Solids content by weight	~92%
Solids content by volume	~90%
Adhesion strength (EN 1542)	≥2,5N/mm <sup>2</sup>
<b>Consumption:</b> • 70-80gr/m <sup>2</sup> on smooth bitumen membrane without mineral slates • 90-120gr/m <sup>2</sup> on mineral-surfaced bitumen membrane	

### Application conditions

Substrate moisture content	<4%
Relative air humidity (RH)	<65%
Application temperature (ambient - substrate)	+8°C min. / +40°C max.

### Curing details

Pot life (+25°C, RH 50%)	30 minutes
Dry to recoat - overcoat (+25°C, RH 50%)	24 hours
Full hardening	~ 7 days
* Low temperatures and high humidity during application and/or curing prolong the above times, while high temperatures reduce them	

## Instructions for use

### Substrate preparation

#### *Bitumen membrane with or without mineral slates*

The surface must be stable, with appropriate slopes, clean, dry and free of pollutants, dust, soil and loose materials. In case of application on top of bitumen membrane without mineral slates, it is important to remove in advance the PE film that the membrane may be coated with. Any slates that are detached or have insufficient adhesion to the bitumen membrane should be removed by water jetting. After the water jetting, the substrate must be left to dry completely. The bitumen membranes must be inspected thoroughly for any detachments. Membranes with insufficient adhesion should be re-attached, if possible, or completely cut off and replaced with new ones in the appropriate dimensions.

#### *Cementitious surface*

The surface must be stable, clean, dry, protected from rising moisture and free of dust, oil, grease and loose materials. Any poorly adhering materials and older coatings should be removed, and the surface should be thoroughly cleaned mechanically or chemically. Depending on the substrate, appropriate mechanical preparation may be required, to smooth the irregularities, open the pores and create the optimum conditions for adhesion. The surfaces should have the appropriate slopes and they should be sufficiently flat, smooth, and continuous (i.e., without holes, cracks, bays, etc.). In the opposite case, they should be treated accordingly (e.g. by proper puttying).

### Application

The two components A & B are mixed in the predetermined ratio and stirred for app. 2-3 minutes with a low-speed electric stirrer, until the mixtures become homogeneous. The surface is then covered in one layer by roller, brush, or airless spray. In cases of increased substrate porosity, an additional priming layer may be required.

## Special notes

- **Neopox® Primer BM** should not be applied under wet conditions, or if wet conditions are expected to prevail during the application or the curing period of the product.

- The components should not have been stored at very low or very high temperatures, especially before mixing. Mixing and stirring of the mixture should be preferably done in the shade. The stirring of the mixture must be done mechanically and not manually with a rod, etc.
- Excessive stirring of the material should be avoided, in order to mitigate the risk of air entrapment. After stirring the mixture, it is recommended to apply the material shortly in order to avoid the development of high temperatures and potential hardening inside the can
- The substrate temperature must be at least 3°C above dew point to reduce the risk of condensation or blooming on the floor finish
- Due to the nature of the material, the direct and permanent exposure of the final coating to UV radiation may cause the phenomenon of chalking over time
- In case that an extended period of time (>36 hours) has passed between successive layers, it is recommended to lightly sand the surface of the previous layer, in order to avoid possible adhesion problems of the next layer
- It is not recommended to apply water-based waterproofing coatings directly on top of the primer. In such cases, it is advisable to broadcast quartz sand on the still fresh layer of **Neopox® Primer BM**, prior to the application of the water-based coating

<b>Appearance</b>	Yellowish - transparent
<b>Packing</b>	Set (A+B) of 5kg in metal cans
<b>Cleaning of tools – Stains removal</b>	By <b>Neotex® 1021</b> immediately after the application. In case of hardened stains, by mechanical means only.
<b>Volatile organic compounds (V.O.C.)</b>	V.O.C. limit acc. to the E.U. Directive 2004/42/CE for this product of category AjSB: 500g/l (Limit 1.1.2010) - V.O.C. content of the ready-to-use product <500g/l
<b>UFI code</b>	<i>Component A:</i> YD70-S0MJ-700Q-QEVN <i>Component B:</i> 4G70-909X-J006-DSFQ
<b>Storage stability</b>	<i>Component A:</i> 2 years, if kept in the original sealed packaging, protected from frost, humidity and exposure to solar radiation. <i>Component B:</i> 12 months, stored in its original sealed packing, protected from frost, humidity and exposure to sunlight. Component B must be stored in an absolutely dry place. In case of contact with ambient moisture it can be polymerized into the container



The information supplied in this datasheet, concerning the uses and the applications of the product, is based on the experience and knowledge of NEOTEX® SA. It is offered as a service to designers and contractors to help them find potential solutions. However, as a supplier, NEOTEX® SA does not control the actual use of the product and therefore cannot be held responsible for the results of its use. As a result of continual technical evolution, it is up to our clients to check with our technical department that this present data sheet has not been modified by a more recent edition.

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