

## SurfaMix™ Epoxy Primer WB

2-component, water-based epoxy primer

### Product Description

SurfaMix™ Epoxy Primer WB is a two-component water-based clear epoxy primer. Its specialized formulation of resilient organic materials provides strong adhesion on porous and non-porous surfaces and it is compatible with any kind of topcoats. It has exceptional resistance to abrasion as well as to contact with acids, alkalis, oils, cleaning agents and chemicals. Dries quickly and forms a hard, impact resistant, non-absorbent coating. Can also be used as a primer for damp concrete or masonry surfaces. It is odorless, solvent free and V.O.C. compliant, thus ideal for interior, poorly ventilated areas. Classified SR-B2,0 according to EN 13813.

### Recommended Use

SurfaMix™ Epoxy Primer WB can be applied on porous and non-porous, slightly damp substrates, when there is no standing water present. It stabilizes absorbent concrete surfaces and prevents dusting. It is applied on existing bituminous membranes, ceramic tiles, metal surfaces and well adhered acrylic or polyurethane coatings before the application of any type of roof membrane. Suitable for applications subjected to rising damp and/ or negative pressure (floors, swimming pools, storage tanks, building foundations etc.).

### Key Benefits

- ☆ It can be applied also on fresh cementitious substrates → minimization of project delivery time
- ☆ High resistant to corrosion and abrasion
- ☆ Strong adhesion for any type of substrate and final paint
- ☆ Odorless and environmentally friendly, water-based
- ☆ Ideal for bituminous substrates and where the presence of solvents is undesirable or should be avoided.
- ☆ Excellent resistance to water and chemicals

### Technical Specifications

Type	▶	two-component water-based epoxy resin
Components	▶	Component A & Component B
Appearance	▶	Slightly yellowish
Density (EN ISO 2811-1)	▶	1.03±0.05 kg/L
Solids (v/v)	▶	42±5%
Mixing ratio	▶	3A : 1B per volume
VOC (Volatile Organic Compounds)	▶	<10 g/L <sup>1</sup>
Dilution	▶	5 – 25% water per volume (**)
Dilutant/cleaner	▶	water
Pot life	▶	3h @ 25°C
Substrate temperature	▶	From + 10°C to+ 35°C
Application temperature	▶	From + 10°C to+ 35°C
Min. recoat interval	▶	24-48h @ 25°C
Drying time	▶	14h @ 25°C
Full curing	▶	7d @ 25°C

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(\*) Depending on the absorbance of the surface, the method of application and the dilution

(\*\*) Minimum dilution for glossy surfaces, high dilution for absorbent surfaces

<sup>1</sup>VOC (Volatile Organic Compounds): Maximum EU VOC content limit value (Directive 2004/42/CE) of the product in a ready to use condition (Category A/h "binding primers", Type WB): 30g/L (2010). Maximum VOC content of this product is < 25 g/L

<sup>2</sup>Dry to recoat time is prolonged under low temperature and high humidity

#### Surface Preparation

All surfaces must be clean, dry and free of dust, oils, grease and loose residue. New cement substrates or new masonry should be cured for more than 4 weeks before application. Substrates with wear, cracks and holes should be repaired with suitable repair material. It is recommended that the substrate be cleaned with a high-efficiency vacuum before application.

#### Application Instructions

##### Mixing:

Always empty the entire amount of Component B into Component A and mix well for 3 minutes using a low speed drill or mixer. Stirring should be done on both the walls and the bottom of the canister for proper homogenization. Then, it is diluted with the appropriate amount of water (5-25% by volume) depending on the application, the desired workability and taking into account the absorbance of the substrate.

##### Application:

It is recommended to apply with a brush or roller, in one layer. If more than 48 hours elapse before the application of the topcoat, the primed surface must be roughened or previously sanded with quartz sand immediately after the application of SurfaMix™ Epoxy Primer WB to ensure adhesion. All tools and equipment should be cleaned immediately after use with water.

#### Spreading Rate

8-12 m<sup>2</sup>/L, depending on the absorbance of surface application.

#### Tips

- ☆ It is recommended that the application of the material be done within the workability time of the mixture (approximately 1h depending on the environmental conditions), as its maturation is not visible inside the mixing container.
- ☆ At low temperatures and/or high humidity drying times are extended.
- ☆ The application method can be used, immediately after the application of SurfaMix™ Epoxy Primer WB, so that the application surface acquires anti-slip properties.

#### Storage

##### Component A:

Storage in the original closed package, in a well-ventilated area, at a temperature of 5°C to 35°C, away from sunlight and frost, for 24 months. Inclement storage conditions may affect product quality.

##### Component B:

Storage in the original closed package, in a well-ventilated area, at a temperature of 5°C to 35°C, away from sunlight and frost, for 24 months. Inclement storage conditions may affect product quality.

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### Health and Safety

Read the label of the product before use. Safety Data Sheet is available through NanoPhos' website [www.NanoPhos.com](http://www.NanoPhos.com) or upon request by contacting NanoPhos through email: [info@NanoPhos.com](mailto:info@NanoPhos.com) or by telephone: (+30) 2292069312.

### Available Packaging

Combo 1L (0.75L Component A + 0.25L Component B)  
Combo 3L (2.25L Component A + 0.75L Component B)  
Combo 10L (7.5L Component A + 2.5L Component B)

*Disclaimer: The Technical Data Sheet recommendations for the use of NanoPhos' products are based on our scientific knowledge, laboratory studies and long-term experience. The information provided must be considered indicative and subject to constant review based on specific conditions and each practical application. The suitability of the product should be examined in each case for specific use and the end user bears full & exclusive responsibility for any side effects that may arise from the incorrect use of the product. The present edition of this technical datasheet automatically cancels any previous one concerning the same product. For more information please contact NanoPhos: [info@NanoPhos.com](mailto:info@NanoPhos.com)*

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