

SurfaMix™ Epoxy Primer WB

Two-component, water-based epoxy primer

Product Description

SurfaMix™ Epoxy Primer WB is a two-component, water-based, transparent epoxy primer. Its specialized formula, composed of resistant organic materials, provides strong adhesion to porous and non-porous surfaces and is compatible with any type of topcoat. It has exceptional resistance to abrasion, as well as to contact with acids, alkalis, oils, cleaning agents and other chemicals. It dries quickly and forms a hard, impact-resistant, non-absorbent layer. It can also be used as a primer for damp concrete or masonry surfaces.

It is odorless, solvent-free and VOC-compliant, making it ideal for poorly ventilated interior spaces.

Classified according to

SR-B2.0

EN

13813.

Recommended use

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

BENEFITS

- ☆ It can also be applied to fresh cement-based substrates, which minimizes project completion time.
- ☆ High resistance to corrosion and abrasion.
- ☆ Strong adhesion to any type of substrate and final paint.
- ☆ Odorless and environmentally friendly, water-based.
- ☆ Ideal for bituminous substrates and in situations where the presence of solvents is undesirable or must 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 (ISO 2811-1)	1.03±0.05 kg/L
Solids (v/v)	42±5%
Mixing ratio	3 : 1 per volume
VOC (Volatile Organic Compounds)	<10 g/L
Dilution	5 – 25% water per volume (**)
Dilution with water	
Pot life	3h @ 25°C
Substrate temperatures	From +10°C to +35°C
Application temperatures	From +10°C to +35°C Min.
Refrigerate for	24-48h @ 25°C
Drying time	14h @ 25°C
Full curing	7d @ 25°C

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(*) Depending on surface absorbency, application method and dilution

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

1VOC (Volatile Organic Compounds): Maximum limit of VOC content according to EU Directive 2004/42/EC for the product under conditions of use (Category A/h "bonding primers", Type WB): 30g/L (2010). The maximum VOC content of this product is < 25 g/L.

2Drying time for reapplication is extended in low temperature and high humidity conditions.

Surface preparation

All surfaces must be clean, dry and free from dust, oil, grease and loose residues. New cement or masonry substrates must be cured for at least 4 weeks before application. Substrates with wear, cracks and holes must be repaired with suitable repair materials. It is recommended that the substrate be primed before application.

cleaning with a vacuum cleaner of HIGH-efficiency of

Application instructions

Mixing:

Always pour the entire quantity of Component B into Component A and mix thoroughly for 3 minutes using a mixer or a drill at low speed. Mixing should be done both on the walls and the bottom of the container for proper homogenization. Subsequently, dilute with the appropriate amount of water (5-25% by volume), depending on the application, the desired workability and taking into account the absorption of the substrate.

Application:

It is recommended to apply with a brush or roller, in a single coat. If more than 48 hours elapse before applying the final coat, the primed surface must be roughened or pre-sanded with quartz sand immediately after applying SurfaMix™ Epoxy Primer WB, to ensure adhesion. All tools and equipment must be cleaned immediately after use with water.

Coverage rate

8-12 m²/L, depending on the absorption of the application surface.

tips

- ☆ It is recommended that the application of the material be carried out within the workability range of the mixture (approximately 1 hour, depending on 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 applying SurfaMix™ Epoxy Primer WB, so that the surface acquires anti-slip properties.

Storage

Component A:

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

Component B:

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

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Health and safety

Read the product label before use. The Safety Data Sheet is available on the NanoPhos website, www.NanoPhos.com, or upon request by contacting NanoPhos by email: info@NanoPhos.com or phone: (+30) 2292069312.

pack

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 recommendations in the Technical Data Sheet for the use of NanoPhos products are based on our scientific knowledge , laboratory studies and long-term experience. The information provided should be considered indicative and is subject to continuous review, depending on the specific conditions and each practical application. The suitability of the product must be verified in each case for the specific use and the end user assumes full and exclusive responsibility for any side effects that may arise from incorrect use of the product. This edition of this technical data sheet automatically cancels any previous edition relating to the same product. For more information, please contact NanoPhos: info@NanoPhos.com.