

SurfaPaint™ Floor Epoxy Primer

Two-component solvent-based epoxy coating

Product Description

SurfaPaint™ Floor Epoxy Primer is a two-component epoxy transparent primer. It has high hardness, high resistance to abrasion and chemicals such as chlorinated substances, water, mineral oils, most dilute acids and alkalis. SurfaPaint™ Floor Epoxy Primer is ideal for heavy traffic areas, floors that are exposed to wide range of temperatures and has high mechanical strength and enhanced slip resistance. It has strong adhesion to concrete, plaster, metal, wood, MDF etc.

Recommended Use

SurfaPaint™ Floor Epoxy Primer is ideal for cementitious substrates such as industrial floors, garages, workshops, warehouses, department stores and water tanks. SurfaPaint™ Floor Epoxy Primer can be used for stabilization of old concrete surfaces and improvement of the adhesion of sealing materials to joints of building surfaces.

Key Benefits

- ☆ Stabilizes and deeply penetrates to the substrate
- ☆ Excellent resistance to water, chlorinated substances, alkalis, dilute acids and mineral oils
- ☆ Excellent adhesion to the substrate
- ☆ Ideal for floors that are exposed to wide range of temperatures
- ☆ Excellent resistance to mechanical stress

NanoPhos S.A.

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Technical Specifications

Type	▶	Two component solvent-based epoxy coating
Components	▶	Base A & Hardener B
Mixing ratio	▶	4:1 v/v A: B
Thinner / solvent	▶	NPTA NanoPhos Thinner A (5-25% v/v)
Appearance	▶	Transparent
VOC (Volatile Organic Compounds)	▶	<499 g/L
Density	▶	1.25 ± 0.05 g/cm ³
Viscosity	▶	60-80 KU
Relative humidity	▶	Maximum 65%
Touch-dry time	▶	3h @ 25°C
Drying time	▶	8h @ 25°C
Pot life	▶	1.5h @ 25°C
Min. Recoat Interval	▶	6h @ 25°C
Max Recoat Interval	▶	2 d @ 25°C
Full curing	▶	7d @ 25°C
Application temperature	▶	From +5°C to +35°C
Resistance to chemicals	▶	Excellent
Resistance to abrasion	▶	35 mg
Maximum substrate moisture	▶	4%
Tool cleaning	▶	NanoPhos Thinner A

(*) Dry-to-recoat time is prolonged under conditions of low temperatures and high humidity.

Surface Preparation

Substrate must be dry, sound, clean, and free from oil, grease, loose material, surface contaminants and other bond-inhibiting materials. Concrete substrates must be prepared mechanically by ball blasting, milling or diamond grinding. Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed. Any imperfections such as cracks, holes, and gouges should be filled with proper patching materials. All dust and loose material must be completely removed from all surfaces before application, preferably by vacuum cleaner. On new concrete apply at least 4 weeks after construction. In already painted substrates, paints must be slightly rubbed with sandpaper to ensure the proper adhesion of the paint.

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Application Instructions

Always empty the entire amount of Hardener B into Base 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. Optionally it can be diluted with **NanoPhos Thinner A** solvent (5-25% v/v) depending on the application, the desired workability and the absorbance of the substrate.

It is recommended to apply SurfaPaint™ Floor Epoxy Primer by a roller, brush or airless gun.

Spreading Rate

8-10 m²/L, depending on the absorbance of surface application.

Storage

Base A: Store in the original closed package, in a well-ventilated environment with temperature above 5°C and below 35°C, away from sunlight and frost.

Hardener B: Store in the original closed package, in a well-ventilated environment with temperature above 5°C and below 35°C, away from sunlight and frost.

Incident storage conditions may affect product quality.

Health and Safety

Read the product label before use. The Safety Data Sheet is available on www.NanoPhos.com or on request by contacting NanoPhos by email: info@NanoPhos.com or by phone: 2292069312.

Available Packaging

- Set of 2,5L Metal Canisters (Base A+ Hardener B)
- Set of 5L Metal Canisters (Base A+ Hardener B)
- Set of 20L Metal Canisters (Base A+ Hardener B)

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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

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