

Neopox® Primer AY

Solvent-free anti-osmotic epoxy primer,
for floors with rising moisture

Description

Two-component, solvent-free, anti-osmotic epoxy primer, ideal for application on floors with rising moisture

Field of applications

- Floors with rising moisture which will be covered with resinous systems or coatings (**Epoxol®**, **Neopox®**, **Neodur®**)
- On new concrete floors (>14 days) which will be covered with resinous systems or coatings (**Epoxol®**, **Neopox®**, **Neodur®**)

Properties - Advantages

- Offers a permanent solution on surfaces with rising moisture
- Excellent adhesion on cementitious substrates
- High resistance to abrasion and chemicals (alkalis, dilute acids, etc)
- Suitable for mixing with quartz sand of various grain sizes for the creation of multi-purpose resin mortars



Packing

Sets (A+B) of 5,05kg and 1kg

Technical characteristics

Mixing ratio A:B (by weight)	30:20,5
Density (EN ISO 2811-1)	1,09kg/L (±0,1)
Solids content by weight	~100%
Solids content by volume	~100%
Adhesion strength (EN 13892-8)	≥2,5N/mm ²
Resistance to rising moisture (DIN EN 13578)	Pass
Consumption: 400-500gr/m² in one or two layers	

Application conditions

Substrate moisture content	<8%
Relative air humidity (RH)	<70%
Application temperature (ambient - substrate)	+12°C min. / +35°C max.

Curing details

Pot life (+25°C, RH 50%)	30 minutes
Drying time (+25°C, RH 50%)	6 hours
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

The cementitious substrate must be properly prepared mechanically (e.g. grinding, shot blasting, milling etc.) to smooth out the irregularities, achieve an open- textured surface and ensure optimum adhesion.

The surface must be sufficiently dry (substrate moisture content < 8%, without ponding water), stable, clean and free of dust, grease, oil, etc. Loose friable material must be fully removed by brushing or sanding with a suitable machine and a high suction vacuum cleaner. The surface must be as smooth and flat as possible, as well as continuous (ie without voids, cracks etc.)

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. **Neopox® Primer AY** must cover the entire surface and not just part of it, to isolate any possible passage for rising moisture.

Special notes

- **Neopox® Primer AY** 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

Appearance	Transparent, yellowish
Packing	Sets (A+B) of 5,05kg and 1kg in metal cans
Cleaning of tools – Stains removal	By Neotex® 1021 immediately after the application. In case of hardened stains, by mechanical means only
Volatile organic compounds (V.O.C.)	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
UFI code	<i>Component A:</i> 4770-S07R-M00Q-DRQH <i>Component B:</i> UA70-80X4-X007-239K
Storage stability	2 years, if kept in the original sealed packaging, protected from frost, humidity and exposure to solar radiation.

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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