# Epoxol® Primer

## Two-component, solvent-based epoxy primer

CE

## Description

Two-component, solvent-based epoxy primer.
Classified as SR-B2,0 according to EN 13813.


## Packing

Sets (A+B) of 10kg, 5kg and 0,8kg

## Fields of application

- Floors and walls which will be covered with epoxy, polyurethane or polyaspartic systems or coatings (**Epoxol®**, **Neopox®**, **Neodur®**)
- Floors, walls and joints prior to sealing them with epoxy repairing materials **Epoxol® Putty** and **Epoxol® Liquid** for adhesion improvement
- Suitable also as an anti-dust sealer on old or new cement-based surfaces which require stabilization

## Properties - Advantages

- Presents high hardness and very good resistance to abrasion and chemicals (alkalis, dilute acids)
- Excellent adhesion on various construction substrates (absorbent or not)
- Ideal for stabilization and sealing of cementitious and various others porous substrates, preventing dust generation

## Certificates – Test reports

- CE Certification according to EN 13813
  *Classified as SR-B2,0*
- Test report by the external independent quality control laboratory Geoterra (No. 2020/280_2)
- Complies with the V.O.C. content requirements acc. to the E.U. Directive 2004/42/CE

| Technical characteristics | |
|---|---|
| Mixing ratio A:B (by weight) | 70:30 |
| Density (EN ISO 2811-1) | 0,97kg/L (±0,05) |
| Adhesion strength (EN 13892-8) | ≥3N/mm² |
| **Consumption: 120-160gr/m² for one layer (depending on the absorptivity of the substrate)** | |

| Application conditions | |
|---|---|
| Substrate moisture content | <4% |
| Relative air humidity (RH) | <70% |
| Application temperature (ambient - substrate) | +5°C min. / +35°C max. |

| Curing details | | |
|---|---|---|
| Pot life (RH 50%) | +25°C | 1 hour |
| Drying time (RH 50%) | +25°C | 2 hours |
| Dry to recoat - overcoat (RH 50%) | +25°C | 16-18 hours |
| | +35°C | 6-8 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***

*Concrete – Cement screed*

The concrete must be min. Grade C20/25, with a tensile strength of ≥1,5MPa, and allowed to cure for at least 28 days, taking all the necessary maintenance measures during its curing period. 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 dry and protected from rising moisture, 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, after the addition 10-15% w/w of solvent **Neotex® 1021**, they are stirred for app. 2-3 minutes with a low-speed electric stirrer, until the mixtures becomes homogenous. The surface is then covered in one layer by roller, brush, or airless spray. In case of increased substrate porosity, an additional layer may be required.

## Special notes

- **Epoxol® Primer** 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 must not be stored in very low or very high temperatures, especially before their mixing. Preferably, the mixing and stirring of the mixture is recommended to be done in the shade. The stirring must be done mechanically and not manually with rods etc.
- It is recommended not to over-stir the product, in order to avoid air entrappment in the mixture. After the stirring of the mixture, it is recommended to apply it immediately in order to prevent high temperatures and its polymerization inside the container
- 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 a period of more than 24-36 hours (depending also on the prevailing atmospheric conditions) 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 10kg, 5kg and 0,8kg 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 AhSB: 750g/l (Limit 1.1.2010) - V.O.C. content of the ready-to-use product <750g/l |
| **UFI code** | *Component A*: KH20-X08W-S00G-0YNY<br>*Component B*: R2H0-W0AN-500P-HWR5 |
| **Storage stability** | 2 years, if kept in the original sealed packaging, protected from frost, humidity and exposure to solar radiation. |

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DoP No.: 4950-65

**EN 13813 SR-B2,0**

**Epoxol® Primer**
Synthetic resin primer

| | |
|---|---|
| Release of corrosive substances | SR |
| Wear resistance | NPD |
| Impact resistance | NPD |
| Bond strength | B2,0 |
| Reaction to fire | NPD |



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