

HARDOX 01 S

Two-component, solvent-based epoxy primer for industrial flooring.

Description

HARDOX 01 S is a two-component, solvent-based, transparent epoxy primer for industrial flooring. For priming concrete surfaces to be covered with epoxy layers.

Advantages

- Offer high hardness and abrasion resistance.
- It is resistant to water, acids, alkalis, petroleum products etc.

Technical Specifications

Viscosity: 200 MPa.s

Working time:	Temperature	minimum time
	+10°C	≈15 hours
	+20°C	≈ 7 hours
	+30°C	≈ 4 hours

Ready to use:	Temperature	minimum time	full curing
	+10°C	22 hours	10 days
	+20°C	10 hours	6 days
	+30°C	5 hours	5 days

Substrate preparation

Ensure stable surfaces with maximum moisture content of <4%. The surfaces should show no trends of shrinkage. Remove loose, detached parts, dirt and grease. The mortars and concrete surfaces where HARDOX 01 S is to be applied must be older than 28 days and not subject to negative hydrostatic pressure. Regarding quality, the concrete substrate must have minimum tensile strength of 1,5 N/mm² and minimum compressive strength of 25 N / mm². Depending on the nature of the substrate, it should be prepared by brushing, grinding, milling, sand blasting, water blasting, shot blasting etc. Following this, the surface should be well cleaned from dust with a high suction vacuum cleaner.

Mixture preparation

The two components are presented in containers ready for mixing. Mix well all the quantity of component B into A using electric mixer at slow speed until the mixture is homogeneous. (About 5 minutes). In cases of applications with quartz sand, this is done after the components A and B are thoroughly mixed and require additional mixing for about 2 minutes until you have a homogeneous mixture.

Instructions for use

The material is applied by brush or roller over the entire surface. Coating of epoxy paint must be applied within 24 hours and after HARDOX 01 S has dried.

Remarks

- The workability of epoxy materials is affected by temperature. The ideal temperature of application is between +15°C and +25°C so that the product will be easy to use and cure as prescribed. Room temperature below +15°C will expand the curing time and temperature above +30°C will accelerate the curing time. In winter time a mild preheating of the product is recommended, while in summer time to store the materials in a cool room before the application.
- Contains solvents. In cases of application in closed rooms measures should be taken for good ventilation.
- Bonding between successive layers may be severely affected by the intervention moisture or dirt.
- In case that longer time than predicted interferes between the application of successive layers or in case that old floors are going to be laid again, the surface should be thoroughly cleaned and grinded before application of the new layer.
- Epoxy layers should be protected from moisture for 4-6 hours after application. Moisture may whiten the surface or/and make it sticky. It may also disturb hardening. Faded or sticky layers in parts of the surface should be removed by grinding or milling and laid again.
- After hardening HARDOX 01 S is totally safe for health.

Consumption

200-300 gr/m²

Packaging

Cans of 8 kg (A + B)

Storage

Preferably in sheltered areas,, low in moisture, protected against ice and sun exposure, for at least 12 months from the date of production and in the original sealed packaging.

Notes

Technical details, properties, recommendations and information on BAUER products are supplied in good faith. They are based on the company's research and experience, provided that they are stored and applied under normal conditions. As the method of using materials as well as project and environment conditions are beyond the control of the company in each individual application setting, the product user is held solely responsible for the result of application. No responsibility under any legitimate relationship can be substantiated against the company, based on the information set out hereunder. Product users are advised to refer to the latest revision of the technical manuals available.

Other information

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