

HARDOX 11

Two component solvent-free epoxy primer

Description

HARDOX 11 is a two-component, solvent-free, transparent epoxy primer for industrial flooring. For priming concrete surfaces to be covered with epoxy coatings and leveling mortar with quartz sand.

Advantages - Applications

- Offer high hardness and abrasion resistance.
- It is resistant to water, acids, alkalis, petroleum products etc.
- It is classified as SR-B2,0 according to EN 13813
- Bonding absorbent and non-absorbent mineral substrates of concrete - cement mortars before applying BAUER epoxy paint and self-leveling floor.
- Resin-leveling repair mortar before applying coatings on floors.
- Bonding for cementitious or epoxy repair mortars.

Technical Specifications

Viscosity: 490 Mpas

Compression strength: 95 N/mm² at 7 days (23 °C, 50%)

Flexural strength: 37 N/mm² at 7 days (23 °C, 50%)

Adhesion: ≥ 3 N/mm²

Hardness shore: 86 at 7 days (23 °C, 50%)

Working time: At +10 °C approximately 65 min
At +20 °C approximately 40 min
At +30 °C approximately 18 min

Ready for use:

At +10 °C	min 22 hr	Full curing 10 days
At +20 °C	min 10 hr	Full curing 6 days
At +30 °C	min 5 hr	Full curing 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 11 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 1,5N/mm² and minimum compressive strength of 25N/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

1. HARDOX 11 system as an adhesion promoter.

The material is applied by brush or roller over the entire surface. The coating of epoxy paint must be applied within 10-24 hours after HARDO 11 has dried.

2. HARDOX 11 system as leveling / repair mortar.

The material is initially applied as a primer with a brush or roller on the entire surface. Then the leveling resin-mortar material is prepared as follows:

HARDOX 11: 1 part by weight
Quartz sand: 3.2 parts by weight.

Commonly used grain sizes 0,1-0,8mm. In case of repair mortars thicker (up to 20 mm / thickness) increase the content of quartz sand (8-16 parts by weight). The mortar can be applied with trowel or spatula.

Packaging

Cans of 9 Kg (A+B)

Storage

In sheltered areas, protected from moisture, ice and sun exposure, for at least 12 months from the date of production and in the original sealed package.

Consumption

200-300 gr/m²

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

BAUER BUILDING TECHNOLOGIES
Megara Industrial Estate, Attica
Tel: +30 210 5744222
Fax: +30210 5740777
Email: info@netbauer.com
[http// www.netbauer.com](http://www.netbauer.com)

Frankfurt, Reg. No 312310 QM
Qualitätsmanagementsystem
Zertifiziert nach DIN EN ISO 9001

