

TECHNO KRAFT EPOXY PRIMER

For cement-based floors and screeds

Solvent-free, two-component epoxy primer

PRODUCT DESCRIPTION

A two-component, epoxy-based, solvent-free, low-viscosity viscosity primer and impregnation material.

PROPERTIES

- Used as a primer for preparing the substrate and providing adhesion for epoxy and polyurethane coatings.
- Due to its low viscosity, it penetrates concrete very well.
- Provides excellent adhesion to concrete, cement, and mineral-based surfaces.
- It enhances the durability of old and new flooring, prevents dusting, and is used to repair surface damage.
- It offers high mechanical strength and excellent chemical resistance to acid solutions, alkalis, oil, grease, etc.
- It is safe for use in areas where hygiene is required.
- It can be easily applied using a roller or brush.

APPLICATION AREAS

- Epoxy and polyurethane floor coating systems,
- Polyurethane, polyurea, and similar insulation systems,
- By adding special silica sand, it is used for repairing, filling, and forming edges on the base surface.

APPLICATION METHOD

Surface preparation:

Mechanical surface preparation (blastrack, rotatiger, etc.) must be performed. The resulting dust layer should be swept away with industrial vacuum cleaners, and the surface to be coated must be solid, dry, and clean. All dust, oil, paraffin, bitumen, and other substances that may reduce adhesion must be removed, and all loose mortar, plaster, etc., must be cleaned from the surface. The concrete quality must be at least C20/25, 28 days old. The tensile strength of the reinforced concrete surface must be 1.5 N/mm², the moisture content must be 4%, and the surface temperature must be +8°C. The success of the application depends on the proper preparation of the surface and the correct use of the material. Depending on the condition of the

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surface, the appropriate method is selected for abrasion and roughening. The surface is completely cleaned of dust using an industrial vacuum cleaner and prepared for application.

Mixing Form

TECHNO KRAFT EPOXY PRIMER is supplied in two-component packaging, pre-balanced according to the appropriate mixing ratio. (Component A: resin, Component B: hardener). The ready-to-use material is obtained by thoroughly mixing the two components mechanically. The entire contents of Component B are poured into Component A in one go, and mixing should be done at a low speed (300-400 RPM) using a suitable mixer and nozzle until the mixture becomes homogeneous. To ensure even distribution of the hardener, mixing should be done from the edges of the container and from the bottom of the packaging.

The two components must be thoroughly mixed together. It is recommended to transfer the mixture to a clean container and mix again for 3-4 minutes. Aggregate can be added to TECHNO KRAFT EPOKSİ ASTAR at the construction site. This process must be carried out within the prepared homogeneous resin mixture.

Application:

TECHNO KRAFT EPOXY PRIMER is applied using a roller or trowel. The prepared mixture is applied evenly to the pre-prepared surface using the selected method. TECHNO KRAFT EPOXY PRIMER is applied in one or two coats until the surface is saturated and a layer is formed. If matt spots appear, another coat is required. The next coat is applied before the previous one begins to dry. The number of coats varies from one surface to another depending on absorbency. If a rough surface is desired, special silica sand is sprinkled over the entire surface while the applied material is still wet. After the material has completely dried, excess sand is swept away using an industrial vacuum cleaner.

- TECHNO KRAFT EPOXY PRIMER can be applied to the surface using a fine-toothed trowel and a short-haired roller, ensuring even coverage and controlling material consumption.
- The material must be protected from water, rain, external factors, and mechanical stress until it has cured.
- It should be noted that the curing time may be shorter in hot weather and longer in cold weather.

CONSUMPTION

Depending on the quality of the concrete to be applied, theoretical values of 0.300 kg/m² – 0.500 kg/m² are recommended. The pore structure, absorbency, etc. of the substrate may increase consumption. A test application is recommended on the substrate to be applied for consumption control.

PACKAGING

Component A	Component B	(A+B) Set
15 kg tin	6 kg tin	21 kg set

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STORAGE / SHELF LIFE

- Protect from adverse weather conditions.
- Store in a dry, cool, closed environment (+10°C to +25°C).
- Once opened and mixed, the product should be consumed immediately.
- In unopened packaging, stored in dry places at a minimum temperature of +5°C, it has a shelf life of 12 months.

TOOL CLEANING

Tools used can be cleaned with a solvent; if the material is dry, it should be cleaned mechanically.

WARNINGS

- When applying in enclosed areas, ensure the area is well ventilated.
- In cold weather, packaging must be stored at a minimum temperature of +15°C for at least 24 hours prior to application.
- After application, the surface must be protected from water, rain, dew, snow, hail, frost, and similar environmental effects until it is completely dry.
- Do not approach with an open flame and do not smoke during application.
- Use gloves, goggles, and protective clothing.
- If it comes into contact with skin, wash with soap and plenty of water.
- Do not swallow. Do not use empty containers for storing food or dispose of them in fire.
- For professional use only; keep out of reach of children.

SAFETY

Users should consult the latest Material Safety Data Sheets, which include physical, ecological, toxicological, and other safety-related data, to obtain information and advice on the safe handling, storage, and disposal of chemical products.

TECHNICAL SPECIFICATIONS

TECHNO KRAFT EPOXY PRIMER Component A Epoxy resin	
TECHNO KRAFT EPOXY PRIMER Component B Epoxy hardener	
Colour	Transparent, colourless
Density	1.05 ± 0.05 g/cm ³ (A + B / 23 °C)
Volume Solid Content (A + B)	100% (A+B)
Mixing Ratio	2.5 : 1 (A:B - by weight)
Mixing Usage Time (+10°C)	80 minutes
Mixing time (+25°C)	30 - 35 minutes

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Intercoat waiting time	8 - 12 hours at 20°C
Bond Strength to Concrete	2.2 – 2.4 N/mm ²
Light Traffic Opening	12–24 hours at 20°C
Full Curing	7 days at 20°C
Ambient Temperature	+8°C to +35°C
Surface Temperature	+8°C to +35°C
The information contained in this technical data sheet is based on data obtained from test results. The correct application of our original product is the responsibility of the user. Our company is only responsible for the quality of the product. This data sheet supersedes all previous data sheets. Our company reserves the right to make changes to any information contained in this data sheet.	

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