

TECHNO KRAFT EPOXY SELF-LEVELLING

Solvent-free, two-component, multi-purpose
Self-levelling floor coating material

PRODUCT DESCRIPTION

TECHNO KRAFT EPOKSİ SELF LEVELING is a solvent-free epoxy resin-based, coloured low-viscosity floor coating material.

FEATURES

- Coloured, easy to clean, maintenance-free, and meets health standards.
- Easy to apply, can be applied without joints.
- Resistant to alkalis, oil, grease, and waste.
- Prevents dusting of concrete coatings, enhances durability, and ensures a long service life.
- It is a durable coating resistant to wear caused by friction or chemical effects and mechanical impacts.
- It is safe for use in areas where hygiene is required.
- It has very high adhesion strength.

APPLICATION AREAS

- Food industry, laboratories,
- Car Services
- Car parks,
- Chemical and Pharmaceutical Industry
- Production Facilities, Offices,
- Stores,
- Business Centres
- Industrial kitchens,
- Animal farms

APPLICATION

Surface preparation:

Mechanical surface preparation (blastrack, rotatiger, etc.) must be performed. The resulting dust layer must be swept away using industrial vacuum cleaners, and the surface to be coated must be solid, dry, and clean. All dust, oil, paraffin, bitumen, and any particles that may reduce adhesion must be removed from the surface. All mortar, plaster, and other loose particles 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,

KRAFTBAU CONSTRUCTION CHEMICALS MINING ENERGY GEOTHERMAL INDUSTRY AND TRADE INC.

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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 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. After surface preparation is complete, all surfaces are primed with Solvent-Free Epoxy Primer.

Mixing Instructions

TECHNO KRAFT EPOKSİ SELF LEVELING 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 mixing head 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 another clean container and mix again for 3-4 minutes. Aggregate can be added to TECHNO KRAFT EPOKSİ SELF LEVELING at the construction site. This process must be carried out within the prepared homogeneous resin mixture.

Application:

TECHNO KRAFT EPOKSİ SELF LEVELING is applied using a notched trowel or special rubber roller to achieve the desired thickness. The prepared mixture is applied uniformly to the pre-prepared surface using the selected method. Following the application of TECHNO KRAFT EPOKSİ SELF LEVELING, a spiked roller is applied to the self-levelling coating to prevent bubble formation and allow it to set freely. If a rough surface is desired, special silica sand is spread over the entire surface while the applied material is still wet. After the material has fully cured, excess sand is swept away using an industrial vacuum cleaner, and the final coat of KRAFT TC 302 solvent-free epoxy paint should be applied to the surface.

- The material must be protected from water, rain, external factors, and mechanical stress until it has fully cured.
- It should be noted that the curing time may be shorter in hot weather and longer in cold weather.

CONSUMPTION

- Light loads: 1 kg/m² (0.7 mm)
- Medium to heavy loads: 1.5 kg/m² (minimum 1 mm)

PACKAGING

Component A	Component B	(A+B) Set
16 kg tin	4 kg tin	20 kg set

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COLOUR

Ral 7032, 7035 (standard colours)

STORAGE / SHELF LIFE

- Protect from adverse weather conditions.
- Store in a dry, cool, and closed environment (+10°C to +25°C).
- Once opened and mixed, the product must 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

	Duration		
	10° C	20° C	30° C
Pot life	90 min	50 min	25 min
New coat application time	25-35 hours	12-18 hours	7–11 hours
Initial setting time	30 hours	15 hours	8 hours
Full hardening	10 days	7 days	5 days
Walking time	2 days later		
Flexural Strength (DIN 1164)	7 days	62 N/mm ²	+23 °C
Compressive Strength (ASTM D695)	7 days	98 N/mm ²	+23 °C
Tensile Strength		4.3± 0.3 N/mm ²	
Shore D Hardness		85± 3	
Chemical Resistance *	Formaldehyde, Potassium Hydroxide, Sodium Hydroxide 30%	Citric Acid 30%	

- Chemical resistance values may vary depending on the colour pigment used in the product.

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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