

TECHNO KRAFT POLYURETHANE PRIMER

Polyurethane-based primer

PRODUCT DESCRIPTION

TECHNO KRAFT POLYURETHANE PRIMER is a single-component, polyurethane-based, solvent-based, transparent primer designed for all surfaces.

PROPERTIES

- Applied by roller or brush.
- Single-component, ready to use.
- Low viscosity.
- Can be applied seamlessly.
- Cures quickly.
- Provides excellent adhesion to concrete and other absorbent surfaces.
- Solvent-based.

APPLICATION AREAS

- Concrete, plaster, cement-based panels, and wooden surfaces,
- Primer for polyurethane-based waterproofing materials,
- Wet and/or damp concrete surfaces,
- Non-absorbent surfaces,
- Metal, marble, and glass surfaces

APPLICATION METHOD

Surface preparation:

Before application, all factors that may weaken adhesion, such as oil, loose cement particles, paraffin, grease, surfaces where mould release agents have been used, and old membranes, must be removed from the surface. If necessary, all surfaces must be washed with pressurised water and thoroughly dried. Surface damage must be repaired with suitable repair products.

KRAFTBAU CONSTRUCTION CHEMICALS MINING ENERGY GEOTHERMAL INDUSTRY AND TRADE INC.

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

Mixing Instructions

TECHNO KRAFT POLYURETHANE PRIMER is a single-component, ready-to-use product. To ensure a homogeneous mixture, the product temperature must not be below 15°C. The material must be thoroughly mixed with a low-speed mixer before application.

Application:

TECHNO KRAFT POLYURETHANE PRIMER is applied in a single coat in a homogeneous manner to the pre-prepared surface using a roller or brush. TECHNO KRAFT POLYURETHANE PRIMER is applied in one or two coats until the surface is fully saturated and a uniform layer is formed. After 24 hours at room temperature (+15°C to +25°C), the sealed containers should be opened and the contents thoroughly mixed until a homogeneous consistency is achieved. Mixing must be done using a low-speed mixer with the appropriate nozzle. The polyurethane insulation material or mastic application should be applied over the primer within 2–3 hours after application (while the primer surface is still tacky). The top coat material must be applied within a maximum of 24 hours after the primer has been applied. Do not apply on wet or damp surfaces. 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 surface condition; factors such as the pore structure and absorbency of the floor may increase consumption. A test application is recommended on the surface to be coated to control consumption. Theoretical consumption as a primer: 0.150 kg/m² – 0.300 kg/m².

PACKAGING

1 kg Tin Can
4 kg Tin Can
20 kg Tin Can

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

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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 POLYURETHANE PRIMER		Single-component polyurethane
Density	ASTM D 1475/ EN ISO 2811-1 (+20°C)	1.00 ± 0.05 g/cm ³
Viscosity	ASTM D 2196-69/ EN ISO 3219-1 (+25°C)	30–60 cP
Adhesion to concrete	TSE EN 1542 (+23°C)	>4 N/mm ²
Application Temperature	KRAFT Lab.	+5°C & +35°C
Tensile Elongation	ASTM D 412 (+23°C)	>300
Tensile Strength	ASTM D 412 (+23°C)	>30 N/mm ²
Initial Drying	+25°C, 55% RH	3–6 hours
Coating Application Time	KRAFT Lab	6–12 hours

LEGAL NOTICE

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