

# TECHNO KRAFT EPOXY REPAIR MORTAR

Epoxy-Based Repair, Anchoring and Expansion  
Bonding Adhesive

## PRODUCT DESCRIPTION

TECHNO KRAFT EPOXY REPAIR MORTAR is a two-component, thixotropic, solvent-free epoxy resin, hardener, and special fillers, designed for repair, for anchoring and fixing expansion joint tapes.

## PROPERTIES

- Suitable for horizontal, vertical, and overhead applications.
- Easy to apply.
- High bonding strength.
- High abrasion resistance.
- A durable coating resistant to wear caused by friction or chemical effects, as well as mechanical impacts.
- Waterproof.
- It achieves its mechanical strength very quickly.
- Chemically resistant.

## APPLICATION AREAS

- For bonding TPE-based tapes in expansion joint insulation,
- In concrete and stone structures for root prevention,
- Repairing defects and wide cracks in reinforced concrete structures,
- Used for securing metal structural materials to concrete structural elements.

## APPLICATION METHOD

Surface preparation:

The reinforced concrete surfaces to be treated must have completed a curing period of at least 4 weeks and have a minimum tensile strength of  $25 \text{ N/mm}^2$  and a minimum compressive strength of  $1.5 \text{ N/mm}^2$ . The surface to be treated must be free of water, dust, and loose particles. Oil, dirt, and other contaminants must be removed. Metal and steel surfaces must be cleaned using a sandblasting method. Care must be taken to ensure there is no oil or rust.

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**KRAFTBAU CONSTRUCTION CHEMICALS MINING ENERGY GEOTHERMAL INDUSTRY AND TRADE INC.**

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## Mixing Instructions

TECHNO KRAFT EPOXY REPAIR MORTAR 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 these two components mechanically. The entire contents of Component B should be poured into Component A in one go, and mixing should be carried out at a low speed (300-400 rpm) using a suitable mixer and mixing head until the mixture becomes homogeneous. To ensure that the hardener is distributed evenly, mixing should be performed from the edges of the container and from the bottom of the packaging. Solvent-free, not diluted with thinner.

## Application:

TECHNO KRAFT EPOXY REPAIR MORTAR is applied with a spatula or trowel. The application thickness should be between 2 mm and 30 mm. The epoxy mortar is smoothed with a trowel to ensure surface smoothness. Do not apply on wet surfaces.

- The material must be protected from water, rain, external factors, and mechanical stress until it has set.
- In hot weather, the curing time may be shorter, while in cold weather it may be longer.

## CONSUMPTION

1.70 kg/m<sup>2</sup> for a thickness of 1 mm  
Horizontal surface bonding: 1.00 kg/m

## PACKAGING

| Component A    | Component B    | (A+B) Set |
|----------------|----------------|-----------|
| 3.75 kg bucket | 1.25 kg bucket | 5 kg set  |

## COLOUR

Grey

## STORAGE / SHELF LIFE

- Protect from adverse weather conditions.
- Store in a dry, cool, closed environment (+10°C to +25°C).
- Products that have been opened and mixed 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.

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## 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 PROPERTIES

|                                          |                  |                   |
|------------------------------------------|------------------|-------------------|
| Colour                                   | Grey             |                   |
| Mixture Density                          | 1.70             | kg/lt             |
| Mixing Ratio                             | By weight: 3A/1B | mPas              |
| Adhesion to Steel                        | ≥3.5             | N/mm <sup>2</sup> |
| Adhesion to Concrete (Concrete Pull-Out) | ≥3               | N/mm <sup>2</sup> |
| Compressive Strength                     | ≥75              | N/mm <sup>2</sup> |
| Service Life                             | ~30              | min (20 °C)       |
| Cleanability Time                        | ~60              | min (20 °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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