

TECHNICAL DATA SHEET (TDS)

CRACK FIX

Water-Clear Crack Filler

1. CHARACTERISTICS

CRECK FIX is a two-component water-clear polyester-based filler formulated with unsaturated polyester resin, styrene and selected mineral fillers. It is designed for filling cracks, cavities and surface imperfections in natural and artificial stone.

2. FIELD OF APPLICATION

CRECK FIX is mainly intended for the stone processing and fabrication industry for filling and repairing natural and artificial stones. Its liquid consistency makes it particularly suitable for filling cracks, cavities and larger surface imperfections.

3. INSTRUCTIONS FOR USE

- Ensure that the surface is clean, dry, sound and lightly abraded before application.
- For colour adjustment, suitable polyester colour pastes may be added up to a maximum of 5%.
- Suitable transparent polyester liquid may be added for viscosity adjustment, as required.
- Add 1–4 g of liquid hardener to 100 g of CRECK FIX.
- Mix both components thoroughly until a uniform and homogeneous mixture is obtained.
- The mixed material should be applied within its working time.
- Treated areas can generally be further processed after approximately 24 hours.
- Curing is accelerated by higher temperatures and delayed by lower temperatures.
- Clean tools immediately after use with a suitable cleaner before the material hardens.

4. SPECIAL HINTS

- Wear suitable protective gloves during handling and application.
- Hardener dosage above 4% may reduce adhesion and adversely affect surface drying.
- Hardener dosage below 1%, particularly at temperatures below 5°C, can significantly delay curing.
- Keep filling layers as thin as practically possible, preferably below 2 mm, because curing may cause approximately 2–8% shrinkage.

- When filling larger cracks, holes, corners and edges, use the minimum practical amount of hardener.
- Bonding exposed frequently to moisture, humidity or frost may have limited long-term durability.
- Slight yellowing may occur during prolonged outdoor exposure.
- Adhesion may be moderate on fresh, alkaline building materials such as fresh concrete and concrete bricks.
- Once fully hardened, the material cannot normally be removed using conventional solvents. Removal is primarily mechanical or by high-temperature treatment above approximately 200°C.
- When properly handled and processed, the cured material is generally not considered harmful under normal intended use.

5. TECHNICAL INFORMATION

DENSITY

CRECK FIX : 1.10–1.15 g/cc

WORKING TIME AT 20°C

1% Hardener	: 12–14 min
2% Hardener	: 8–10 min
3% Hardener	: 7–9 min
4% Hardener	: 6–8 min

6. MECHANICAL PROPERTIES

Tensile Strength	: 55–65 N/mm ²
Bending Strength	: 75–85 N/mm ²

7. SHELF LIFE

Approximately 1 year when stored in the original, tightly closed container under suitable storage conditions and protected from frost.

8. IMPORTANT NOTE

The technical values stated above are typical laboratory values and are provided for guidance. Actual performance may vary depending on substrate condition, temperature, humidity, mixing ratio, application method and workmanship. A preliminary compatibility test is recommended before large-scale application.

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