

MC-Fast ST (Fix ST)

Single-component, rapid-setting mortar for immediate leak plugging.

- PRODUCT DESCRIPTION:**
- **MC-Fast ST** (former name: MC-Fix ST) is a single-component, ultra-rapid-setting mortar formulated to stop and seal active water leaks or flowing water on concrete and masonry surfaces within minutes. The product enables immediate, temporary repair of unwanted water ingress.
 - In addition to its extremely fast set time, **MC-Fast ST** develops early strength rapidly and reaches its final strength within a few hours.

- PRODUCT PROPERTIES:**
- Very fast setting within minutes; develops final strength within hours.
 - Ready to use, only mixing with water.
 - Chloride-free and free from components harmful to concrete or cementitious materials.
 - Provides an effective watertight seal.

- AREAS OF APPLICATION:**
- **MC-Fast ST** is widely used in construction and repair works, such as:
 - Localized sealing of leaks on concrete surfaces, particularly immediately after formwork removal.
 - Emergency leak repair in basements, underground structures, water tanks, sewer systems, and buried pipes,...
 - Rapid anchoring for bolts, dowels, anchor bolts, machine baseplates, anchors, etc. in concrete, masonry or other mortar works that extremely fast setting is required.
 - Rapid bedding and connection mortar in concrete, masonry and plastering works.
 - Used in repair and installation works in civil and industrial construction requiring accelerated mortar setting.

- APPLICATION NOTES:**
- Inspect and assess the leak to identify the root cause. Enlarge the leak opening (e.g., form a V-groove), remove loose material, dust, weak mortar and other contaminants around the leak.
 - Wear waterproof, protective gloves suitable for handling rapid-exothermic cementitious products.
 - Mixing ratio: **MC-Fast ST** : Water = 1 : 0.35 by weight. Quickly hand-mix to obtain a uniform mortar (mixing time ≈ 25 seconds).
 - Only mix small batches sized to suit the leak to be repaired.
 - Immediately after mixing, form the fresh mortar into a ball with the gloved hand (ensure gloves are waterproof and sufficiently thick to protect from heat generated by the exothermic reaction), press the mortar firmly into the leak opening and hold in place by hand or suitable tool for approximately 1–2 minutes until initial set occurs.
 - For high-pressure, multiple-jet leaks, insert a plastic tube (snug diameter) into the leak and pack **MC-Fast ST** firmly around the tube as described above until set. After the mortar has set, withdraw the tube and finish the remaining void with additional mortar as required.
 - Before the mortar has completely solidified, smooth the mortar surface with a suitable tool and clean off excess material from the surrounding surface after sealing.
 - After initial set, wet the repaired area with water (spray) about 15–30 minutes after setting to ensure full hydration and to minimize shrinkage and cracking.
 - Do not use material that already shows signs of setting; do not add water or re-mix. Prepare a fresh batch if required.

TECHNICAL DATA:

Characteristics	Unit	Value	Comments
Mixing ratio	By weight	1 : 0.35	Powder : Water
Working time after mixing	seconds	~ 60	At 20°C

**Technical values are obtained under laboratory conditions and may vary on site. Perform preliminary trials under actual site conditions to determine appropriate parameters.*

PRODUCT CHARACTERISTICS:

Color	Light grey.
Packaging	1kg bag.
Shelf-life & Storage	12 months in unopened original packaging; store in a cool, dry place.
Disposal	Dispose in accordance with local environmental regulations.

Note: The information provided here is based on our experience and correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual building projects, to the specific application and to non-standard local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. Given these preconditions we shall be liable for the accuracy of the information given as outlined in our sales and delivery terms and conditions. Recommendations by our employees that deviate from this information are only binding for us if they have been confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be adhered.

Edition **11/2025**. Some technical changes have been made to this print medium. Older editions are invalid and may not be used.