

MC-Fix ST 5 M

Rapid-setting repair grout for stopping water leakages

Properties

- Fast setting. Approx 300 sec after water is added
- Ready-to-use
- Hydraulic setting
- Free from chloride and other harmful substances

Areas of Application

- Tunnels, subways and underground structures, sewage works, tanks and pipes
- Sealing burst pipes
- Fillings holes left by tie wires, wood and steel separators etc.
- Fast installation and connection work in concrete and masonry

Application

General

MC-Fix ST 5 M is a specially developed one component formulation, which stops leakage, seepage and running water in concrete or masonry walls and floors within minutes. It provides immediate and reliable repair-work against undesired water leakage. MC-Fix ST 5 M is free from chlorides and other harmful substances, and can be universally used to stop leaking and running water in concrete as well as brickwork.

MC-Fix ST 5 M does not only stop water leakage instantly, but also develops the normal 28 days strength of concrete within hours.

MC-Fix ST 5 M can also be used as an anchoring aid for bolts, mechanical posts, poles etc. in concrete and masonry, or wherever rapid hardening and quick strength are required. MC-Fix ST 5 M has varied usage for almost all civil engineering structures, both old and new.

Instructions for use

Examine the area where water is leaking or gushing in and identify the cause.

Where water is leaking chip the surface to form a V-shape dovetail. Cut at the point of leakage and remove all dirt, loose particles, debris and contaminants adjacent to it.

From here on gloves should be worn at all times until completion of the work.

Mix MC-Fix ST 5 M with water in the ratio of about 3 : 1 (MC-Fix ST 5 M powder : Water) and knead rapidly to a pasty consistency.

Mix only small quantities which can be applied instantly.

Take the paste in the hand (the wearing of thick hand gloves is absolutely mandatory due to the heat development) and quickly form into a shape of a ball, plug the cut dovetail and press firmly with the aid of a trowel or similar tool, and keep pressing firmly for about 1-2 minutes until the compound sets.

If water is gushing in under high pressure, insert a plastic pipe into the point of leakage and plug the compound around the pipe. Once the compound around the pipe is hardened, pull off the pipe and plug the hole left from the pipe.

Before the compound has fully hardened, smooth out the surface using suitable tools. Immediately after an active water leakage has been stopped, remove the excess plugging material from the surroundings.

Keep the plugging slightly wet by gently sprinkling water for about 15 - 30 minutes depending on ambient temperatures.

Do not apply the compound if it shows signs of hardening before application, and do not add more water to make it workable again.

Technical Data for MC-Fix ST 5 M

Characteristic	Unit	Value	Comments
Mixing Ratio	p.b.v.	3 : 1	MC-Fix ST 5 M powder : Water
Compressive strength	MPa	30	28 Days
Application Time	min	3 – 5	at 27 °C

Product Characteristics for MC-Fix ST 5 M

Delivery	12 & 24 kg bucket
Storage	Can be stored in cool and dry conditions for 12 months in original unopened packs.
Disposal	Buckets must be emptied completely.

Property specification are based on laboratory test and may vary in practical application. To determine the individual technical suitability, preliminary suitability tests should be carried out under the application conditions.

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 10/25. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.