

MC-Fast ST

Fast-setting plugging mortar



PRODUCT PROPERTIES

- Ready to use - simply mix with water
- Fast setting, approx. 60 seconds after water is added
- Hydraulically setting
- Waterproof
- Free of chlorides and water-soluble salts

AREAS OF APPLICATION

- For caulking in concrete, masonry, render and pits
- Sealing of burst pipes
- For caulking of water outbreaks and seep spots
- Subsequent caulking in tunnel and shaft constructions

APPLICATION ADVICE

Substrate Preparation: Seepage area must be chiselled out inwards into a dovetailed shape and all loose material and contamination must be removed.

Mixing: Fill 3 parts-by-volume of MC-Fast ST into a clean container and mix with 1 part-by-volume of water into a ductile compound. At 20 °C MC-Fast ST solidifies within approx. 60 seconds after water is added. By then the grout is already waterproof. The more fluid the consistency of the mortar the longer the grout needs to become load-bearing.

Low temperatures retard, higher temperatures accelerate the setting process. At temperatures below +5 °C it is therefore recommended to use a warmed starter liquid, to ensure that solidification process begins after approx. 60 seconds. To extend the processing time, cold starter liquid should be used.

Application: The mixed material is formed into a plug. This plug is then pushed hard into the respective seepage point for two minutes, either by hand or with a trowel. For larger leaks several plugs should be put next to each other. It is recommended to work from the top to bottom.

Note: Partially setted material cannot be remixed and used again. Subsequent dilution is not permitted either.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	RT	1 : 3	water : powder
Working time	seconds	approx. 60	at 20 °C
Application conditions	°C	≥ 5 ≤ 30	Temperatura del aire, soporte y material
Compressive strength	N/mm ²		according to ASTM C109/ 109M: 2016a
1 h		6.9	
24 h		8.8	
72 h		13.5	
7 d		17.6	
28 d		18.1	

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

Delivery form	12 kg tub; 1 pallet (33 tubs @ 12 kg)
Self-monitoring	EN ISO 9001
Storage	Can be stored in cool and dry conditions for at least 12 months in original unopened packs.
Packaging disposal	Make sure single-use containers are completely empty.

Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets.

Note: The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2400020637]