MC-Fast SM
(formerly MC-Fix SM)

Fast-setting and swelling plugging mortar

BE SURE. BUILD SURE.

PRODUCT PROPERTIES

- Ready to use - just mix with water
- Fast setting, approx. 60-120 seconds after water is added
- Fast and permanent water infiltrations close off
- In case of water load the mortar is expanding during the curing process (swelling effect)
- Chloride free, shrink compensated according to DIN 1164

AREAS OF APPLICATION

- Fast and permanent close off of leaks and water infiltration in concrete, masonry and natural stone constructions
- Sealing of cable and pipe inlets
- Sealing of damaged pipe sockets and manhole ring joints
- Creation of grooves under water pressure
- Sealing of slotted walls

APPLICATION ADVICE

Substrate Preparation: The substrate must be clean, solid and free from anti-adhesive substances as dust, oil, fat, cement lime, etc. The substrate should be pre-wetted. Dry substrates have to be pre-wetted intensively.

No movements should appear when sealing cracks or joints. To avoid adhesion problems in case of water infiltration, the leaks must be levered up for minimum 2 cm deepness.

Mixing: MC-Fast SM has to be mixed 15 - 20 seconds until a stiff-plastic mortar is obtained. Because of the fast processing time, it is recommended to mix a small amount of the material only.

MC-Fast SM has approx. 1 - 2 minutes workability time at + 23 °C, after water addition.

Processing: In case of water infiltrations the set mortar has to be pressed deep into the indentation by hand (protective gloves are recommended) for 1 - 2 minutes.

Immediately after this, any excess material can usually be removed with a trowel or similar. When doing this, always work with outwards from the middle, other wise there is a risk of the not get fully cured mortar becoming detached from the substrate.

In cold conditions the setting time can be accelerated by heating the water (lukewarm). In warm conditions the setting time can be extended by cooling the water.

Note: MC-Fast SM is a rigid sealing product. Due to subsequently appearing cracks in the construction work settings and deformations may lead into further leaks.

To avoid humidity loss in the surroun-ding of the application area, it must be sealed with sealing slurry MC-Proof 101 HS.

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TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Fresh mortar bulk density	kg/dm³	approx. 1.6	
Mixing ratio		5 : 1	base component : water
Mixing time	seconds	> 15	
		< 20	
Working time	minutes	1 - 2	
Application conditions	°C	≥ 5 ≤ 30	air, substrate and material temperatures
Consumption (flat)	kg/m²		depending on condition of substrate
dry mortar		approx. 1.7	per mm layer thickness
Flexural strength	N/mm²		
1 h		3	
3 h		3.5	
4 h		4	
24 h		5	
7 d		5	
28 d		5	
Compressive strength	N/mm²		
1 h		8	
3 h		10	
		13	
24 h		25	
7 d		40	
28 d		40	
	All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.		

equipment cleaning agent	water
colour shade	grey
Storage	Can be stored in original sealed packages at temperatures between 5°C and 25°C in dry conditions for at least 12 months.
packaging disposal	Make sure single-use containers are completely empty. Ensure compliance with our information leaflet “Return of Emptied Transportation and Sale Packaging”. We will be glad to send you this on request.

Safety instructions
Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : ZP1

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