



# FIS EM PLUS – Epoxy Mortar

## Fischer EM Plus 390S

**120**  
Years  
Service life

*The powerful injection mortar for rebar connections and cracked concrete.*



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## FIS EM PLUS – Epoxy Mortar

### TECHNICAL DATA



Epoxy mortar  
FIS EM Plus 390 S



Static mixer FIS MR Plus



Static mixer FIS UMR

		Approval			Languages on the cartridge	Scale unit	Contents	Sales unit
Item	Art.-No.	DIBt	ETA	ICC				[pcs]
FIS EM Plus 390 S	544154	●	■	▲	DE, EN, FR, NL, ES, PT	180	1 cartridge 390 ml, 2 x FIS MR Plus	20

### GELLING AND CURING TIME

Temperature at anchoring base	Gelling time	Curing time
- 5 °C to - 1 °C <sup>1)</sup>	180 min.	200 hrs.
0 °C to + 4 °C	150 min.	90 hrs.
+ 5 °C to + 9 °C	120 min.	40 hrs.
+ 10 °C to + 19 °C	30 min.	18 hrs.
+ 20 °C to + 29 °C	14 min.	10 hrs.
+ 30 °C to + 40 °C	7 min.	5 hrs.

<sup>1)</sup> Without approval  
The above times apply from the moment of contact between resin and hardener in the static mixer.  
For installation, the cartridge temperature must be at least +5°C. For longer installation times, i.e. when interruptions occur in work, the mixer should be replaced.

### FUNCTIONING

- Resin and hardener are stored in two separate chambers and are not mixed and activated until extrusion through the injection capsule in the static mixer.
- The mortar is injected bubble-free from the drill hole base.
- The mortar bonds the entire surface of the anchor with the drill hole wall and seals off the drill hole.
- The anchor rod is set manually by lightly rotating it until it reaches the drill hole base.
- During push-through installation, the annular gap between the anchor rod and attachment is filled with FIS EM Plus.

### ADVANTAGES

- The optimised formulation of the epoxy resin mortar FIS EM Plus leads to improved load values in cracked and non-cracked concrete.
- Temporary and detachable fixing points are possible with the internal threaded anchor RG M I.
- For practical use on the building site, FIS EM Plus can be processed at low temperatures down to 0°C (outside of the assessment even down to -5°C).
- The mortar is approved for diamond-drilled and water-filled drill holes as well as seismic applications of performance categories C1, C2 and thus offers safety under extreme conditions.