

# Fischer FIS EM Plus

## DESCRIPTION

Fischer EM plus is a high-quality anchoring epoxy for top load-bearing capacity in cracked and non-cracked concrete and masonry. With an externally certified service life of over 100 years, FIS EM Plus is best suited for critical applications, high loads or seismic applications. Ideal for fixing of shear connectors, high load steel work, large diameter or high anchorage depth applications and for flooded or water filled holes.



## FEATURES

- For use in both solid and hollow substrates
- Fast set time
- R120 Fire resistance classification
- Suitable for rebar from 8 - 40mm diameter
- High top-load bearing capacity
- Can be used in water filled holes
- Ideal for large hole diameter or high anchor depth applications
- Long setting times
- Can be applied at low temperatures

## APPLICATIONS

- Rebar Connections
- Rails, sound barriers and railings
- Shear connector installation
- Post installed Rebar Connections
- Seismic Applications

## APPROVED FOR ANCHORINGS IN:

- Concrete C20/25 to C50/60, cracked & uncracked
- Hollow blocks made from lightweight concrete
- Vertically perforated brick
- Perforated sand-lime brick
- Solid sand-lime brick
- Solid brick

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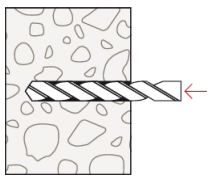
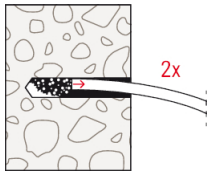
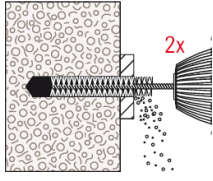
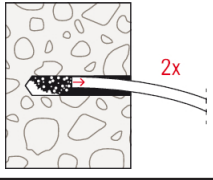
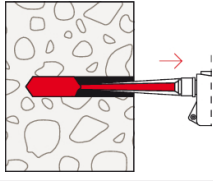
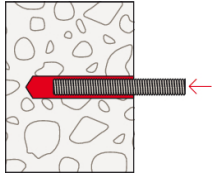
## CURING TIME

Cartridge Temperature (°C)	Gel Time (mins)	Curing Time
-5-0	180	200 hours
0-5	150	90 hours
5-10	120	40 hours
10-20	30	18 hours
20-30	14	10 hours
30-40	7	5 hours

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.

## INSTALLATION INSTRUCTIONS

Using the proper drill bit size, drill a hole into the base material to the required depth.	
Blow the hole clean using a hand pump or compressed air at least twice.	
Brush the hole with a proper wire brush at least twice.	
Blow the hole again using a hand pump or compressed air to ensure the hole is free of debris and dust.	
Uncap the cartridge, install mixe nozzle and place in suitable dispensing gun. Begin pumping the gun until the mixed chemical reaches the nozzle. Squeeze out and discard a minimum of 3 full strokes until the mortar is uniformly mixed and shows consisten colour.	
Fill the hole up to approximately 2/3 with mixed adhesive.	
Push the steel element into the hole while turning slightly. Allow to cure for the specified time before loading.	

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## TECHNICAL DATA SHEET



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### PACKAGING

Code	Size	Qty Per Bucket	Applicator Gun
ACFEM390	390ml	20	FIS AM 390ml Co-axial Gun

### STORAGE & HANDLING

Store cartridges in a cool, well-ventilated place away from excessive heat and direct sunlight. Partially spent cartridges can be reused by installing a new mixing nozzle.

### DISCLAIMER

Allcon products are manufactured to the highest quality, and if used in the correct applications and in accordance with all directions, will produce quality and consistent results. However Allcon Group Pty Ltd accepts no responsibility for inappropriate usage or faulty workmanship by the end user.

Product: Fischer EM Plus Anchoring Epoxy  
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