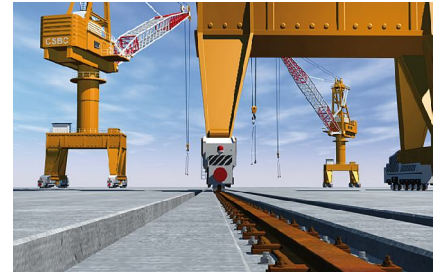


The powerful injection mortar for rebar connections and cracked concrete



BUILDING MATERIALS

Approved for anchorings in:

- Concrete C20/25 to C50/60, cracked and non-cracked

Also suitable for:

- Natural stone with dense structure

APPROVALS



ADVANTAGES

- High bond strengths and minor mortar shrinkage allow maximum load application in cracked and non-cracked concrete, even with large threaded rod diameters of up to M30.
- Variable anchorage depths from 4x to 20x the threaded rod diameter allow for ideal adaptation to the load to be applied, and ensure an optimised installation time and use of materials.
- FIS EM is also approved for diamond-drilled and water-filled drill holes, thus ensuring more flexibility on the construction site.
- The wide range of approved steel types allows for use in all corrosion resistance classes and offers the best possible application safety.

APPLICATIONS

- Heavy steel constructions
- Silo installations
- High racks
- Sound insulation walls
- Top concrete jointers
- Rim beam anchorings
- Anchorings in diamond-drilled drill holes (not included in)
- Anchorings in waterfilled drill holes

FUNCTIONING

- The injection system, comprising the epoxy resin mortar FIS EM combined with the FIS A threaded rod, is suitable for pre-positioned and push-through installation.
- 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 rod 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.

CURING TIME

Cartridge temperature (mortar)	Gelling time	Temperature at anchoring base	Curing time
+ 5°C - +10°C	2 hrs.	+ 5°C - +10°C	40 hrs.
+10°C - +20°C	30 min.	+10°C - +20°C	18 hrs.
+20°C - +30°C	14 min.	+20°C - +30°C	10 hrs.
+30°C - +40°C	/ min.	+30°C - +40°C	5 hrs.

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.