



Rescue ladders



Column bases



## BUILDING MATERIALS

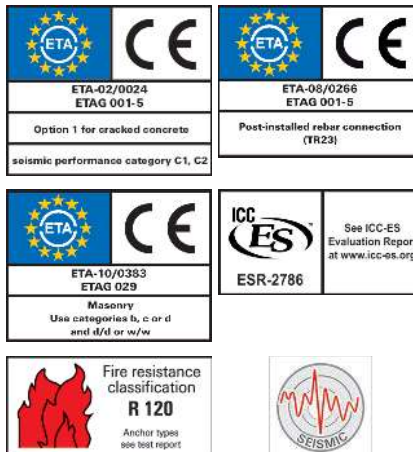
### Approved for anchorings in:

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

### Approved for:

- Rebar connections
- Remedial wall tie VBS 8
- Weather facing reconstruction system FWS II
- Stand-off installation Thermax

## CERTIFICATES



# INJECTION MORTAR FIS V

## The versatile injection mortar for anchorings in masonry and cracked concrete

### ADVANTAGES

- The FIS V injection mortar has numerous system approvals, such as in cracked and non-cracked concrete, masonry and for special applications. FIS V is thus the universal injection mortar family with guaranteed reliability for practically all areas of application.
- The extensive range of accessories is ideally suited to the FIS V injection mortar family, increases the great flexibility of the system and thus allows for a broad range of applications.

### APPLICATIONS

#### Injection mortar for use with:

- Threaded rods
- Internal threaded anchor RG MI
- Rebar anchor
- Injection anchor sleeves FIS H
- Aerated concrete centring sleeve PBZ
- Remedial wall tie VBS 8
- Anchorings in water filled drill holes (only FIS V 410 C)

### FUNCTIONING

- The FIS V is a 2-component injection mortar based on vinyl ester hybrid.
- Resin and hardener are stored in two separate chambers and are not mixed and activated until extrusion through the static mixer.
- The injection cartridges are quick and easy to use with the fischer dispensers.
- Partially used cartridges can be reused, simply by changing the static mixer.



# INJECTION MORTAR FIS V

## TECHNICAL DATA



Injection mortar **FIS V**



Injection mortar **FIS V 410 C**



Static mixer **FIS MR**

Item	Art.-No.	Approval			Languages on the cartridge	Scale unit	Contents	Sales unit
		DIBt	ETA	ICC				
<b>FIS V 300 T</b>	<b>546727</b>	●	■	▲	USA, RA, BR, MEX	150	1 cartridge 300 ml, 2 x FIS MR	20
<b>FIS V 410 C</b>	<b>521431</b>	●	■	▲	I, GB, D	200	1 cartridge 410 ml, 2 x FIS MR	16
<b>FIS MR</b>	<b>096448</b>	—	—	—	—	—	10 static mixer	10

## CURING TIME FIS V

Cartridge temperature (mortar)	Gelling time	Temperature at anchoring base	Curing time
		- 5°C - ± 0°C	24 hrs.
+ 0°C - + 5°C	13 min.	± 0°C - + 5°C	3 hrs.
+ 5°C - +10°C	9 min.	+ 5°C - +10°C	90 min.
+10°C - +20°C	5 min.	+10°C - +20°C	60 min.
+20°C - +30°C	4 min.	+20°C - +30°C	45 min.
+30°C - +40°C	2 min.	+30°C - +40°C	35 min.

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.