



CONCRETE INJECTION MORTAR

Fischer FIS V 300T Injection Mortar is the ideal chemical adhesive to use when installing SafetyLink height safety systems.

This chemical adhesive is designed so partially used cartridges can be reused, simply by changing the mixing nozzle. Eliminating waste and reducing costs.

FIS V 300T Injection Mortar is now available through SafetyLink.

See below a handy table calculating cartridge quantities for application.



APPLICATIONS - FrogLine Systems, Roof Anchors, Tuff-Posts and X-Rail.

POSITIONING OF CONCRETE ANCHOR - The Concrete Anchor must be in a position easily and safely reached from a safe access point. Concrete anchor should not be positioned close to an edge, minimum distance 150mm. Minimum concrete thickness 150mm.

LOCATING THE REINFORCING STEEL BAR (REO BAR) IN THE CONCRETE - Use Digital metal detector (Example: BOSCH DMO 10) to locate the Reo bar in the concrete when positioning the Concrete Anchor. This ensures reo bars are avoided when drilling.

DRILLING THE HOLE - Drill a hole to a depth and width as suggested in below table.

PREPARING THE HOLE - The hole must be moisture and dust free. Remove dust using compressed air, small brush, and vacuum cleaner.

INSTALLING THE CONCRETE ANCHOR - Recommended chemical is Fischer FIS-V.

- 🔍 Prior to anchor installation, refer to installation procedure for individual anchor product and check chemical is within expiry date.
- 🔍 The injection cartridge is for use with a standard caulking gun.
- 🔍 Partially used cartridges can be re-used by changing the mixing nozzle.
- 🔍 The entire surface of the anchors embedded section must be within the concrete and shall use sufficient adhesive mortar as specified in the table below.

FIS V 300T: INJECTION MORTAR

APPLICATION	ANCHOR DIAMETER(mm)	DRILL HOLE DIAMETER(mm)	DRILL HOLE DEPTH(mm)	MORTAR/ FIXING(ml)	NO# OF FIXING/ CARTRIDGE
DonutLink FrogLine	16	18	95	15	20
Concrete Insert	24	28	90	40	7.5
One Piece Eyebolt	16	18	90	15	20
WindowLink	53&25	55&28	20&122	60	5
SwiveLink	24	28	90	40	7.5
M12x160 Anchor Rod	12	14	115	10	30
M16x160 Anchor Rod	16	18	115	15	20
X-Rail	12	14	95	10	30

CURING TIME FIS V

Cartridge Temperature (mortar)	Gelling Time	Temperature at anchoring base	Curing Time
		-5°C - +0°C	24 hours
+0°C - +5°C	13 minutes	+0°C - +5°C	3 hours
+5°C - +10°C	9 minutes	+5°C - +10°C	90 minutes
+10°C - +20°C	5 minutes	+10°C - +20°C	60 minutes
+20°C - +30°C	4 minutes	+20°C - +30°C	45 minutes
+30°C - +40°C	2 minutes	+30°C - +40°C	35 minutes

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.



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