

Injection System VME plus

for post-installed rebar connection



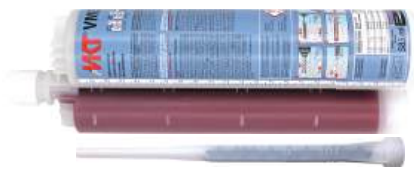
Reinforcement Bars B500



Tension Anchor ZA



Cartridge VME plus 440
Side-by-side cartridge
Content: 440ml



Cartridge VME plus 585
Side-by-side cartridge
Content: 585ml



Description

The Injection System VME plus also has the European Technical Assessment for post-installed rebar connection. Reinforcement Bars with diameters from 8mm to 40mm as well as tension anchors from M12 to M24 with a setting depth of up to 2m can be fixed.

By using the hollow drill bit SB the drilling dust is sucked off during drilling directly at the point of origin. This reduces pollution and dust load of the respiratory tract to a minimum. Subsequent well cleaning - brushing and blowing out - is also no longer necessary.

Advantages

- Long processing time, therefore ideal for large embedment depths and for high temperatures
- Wide range of application, as up to 40mm rebar diameter allowed
- Drill hole creation with hammer drill, compressed air drill or hollow drill bit
- When using the hollow drill bit SB the subsequent cleaning of the borehole is not necessary
- Approved for installation in dry and wet concrete
- Approved for use under fire exposure
- The initial curing time allows to continue working sooner¹⁾
- Opened cartridges can be reused with a new static mixer
- Tie rods ZA with connecting thread M12 - M24 can be supplied in individual lengths on request

Applications for post-installed rebar connection:

Subsequent connection of stairs, balconies, walls or columns, closing of wall and ceiling openings

Application examples tension anchor:

Anchoring of railing posts and of supports subject to bending loads, anchoring of cantilevered components

Injection Cartridge VME plus



- Long processing time
- Almost no shrinkage

Description	Ref. No.	Content ml	Content of master box pcs.	Weight per master box kg	Weight per piece kg
Cartridge VME plus 440	28258001	440	12	9,79	0,78
Cartridge VME plus 585	28258243	585	12	12,28	1,02
Cartridge VME plus 1400	28258401	1400	5	12,84	2,50
Static mixer VM-XHP	28305301	-	12	0,18	0,01

Curing Time Injection Adhesive VME plus

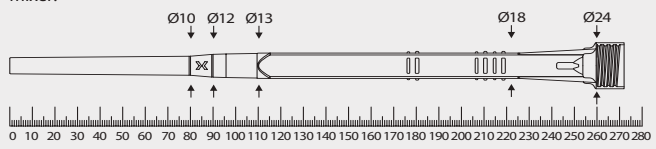
- Cartridge temperature when installing +5°C to +40°C

Temperature (°C) of the base material	Maximum gel time	Initial curing time ¹⁾	Minimum curing time	
			dry base material	wet base material
0°C bis +4°C	80 min	30 h	144 h	288 h
+5°C bis +9°C	80 min	20 h	48 h	96 h
+10°C bis +14°C	60 min	15 h	28 h	56 h
+15°C bis +19°C	40 min	9 h	18 h	36 h
+20°C bis +24°C	30 min	6 h	12 h	24 h
+25°C bis +34°C	12 min	4 h	9 h	18 h
+35°C bis +39°C	8 min	3 h	6 h	12 h
+40°C	8 min	1,5 h	4 h	8 h

Usable length static mixer VM-XHP

Drill holes must always be filled from the bottom of the hole to ensure no air pockets are trapped in the adhesive. This is only possible when the tip of the mixing nozzle reaches the very bottom of the drill hole before injecting the adhesive. If the mixing nozzle does not reach the bottom of the drill hole, a mixer extension tube must be used.

Outer diameter mixer:



¹⁾After the initial curing time has passed, the installation of the connecting reinforcement and the installation of the formwork may continue.

