

## Injection system Multifix HSF Seismic



### Included in delivery

- 1 mortar cartridge
- 1 mixing nozzle

### Cross references

- Anchor rod
- Cleaning brush
- Blow-out pump
- Applicator gun AP420ml
- Hammer drill SDS plus
- Duster Expert SDS plus
- Cordless hammer drill

### Assembly instruction



### Technical data sheet



### Application examples

- > Suitable for fastening facades, awnings, wooden structures, metal structures, metal profiles, supports, beams, consoles, railings, grids, sanitary objects, pipelines, cable routes.
- > Post-installed rebar applications
- > Reinforcing bar dowelling

### Application range

Substrates:

- > Cracked and non-cracked concrete.

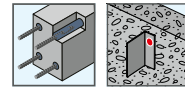
Fastening elements:

- > Threaded rods (galvanized or hot-dip galvanized, stainless steel A4), reinforcing iron, reinforcing bars, internally threaded sleeves.

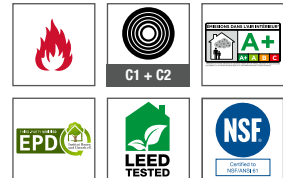
### Characteristics

- > Excellent performance at high temperature
- > Very high chemical resistance
- > Fast curing for faster anchor installation
- > For heavy duty applications
- > Overhead installation
- > Can be applied to wet and water-filled holes
- > Fastening without expansion pressure, therefore small edge and center distances possible
- > Low odor development
- > The cartridge can be used again until the end of its shelf life by replacing the static mixer or by closing it again with the original cap
- > 100 years working life

### Applications



### Technical specifications



### Certifications



Order description	Content [ml]	PU [pieces]	Price/1 [EUR]	Article number	EAN
EJOT Multifix HSF Seismic 420ml	420	1		9571002420	4061245110110

Order information: 1 mixing nozzle is included with each cartridge.






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**Installation parameters**


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Concrete temperature [°C]	Gelling work time (min)	Minimum curing time in dry weather	Minimum curing time in wet weather
-5 to -1	50'	5h	10h
0 to +4	25'	3,5h	7h
+5 to +9	15'	2h	4h
+10 to +14	10'	1h	2h
+15 to +19	6'	40'	80'
+20 to +29	3'	30'	1h
+30 to +40	2'	30'	1h

Cartridge temperature +5 °C to +40 °C

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**Installation parameters**


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Anchor rod	$d_0$ [mm]	$h_{ef} = h_0$ min - max [mm]	$T_{inst} \leq$ [Nm]	Pre-set installation $d_i$ [mm]	In-place installation $d_i$ [mm]	$h_{min}$ [mm]	$S_{min}$ [mm]
<b>M8</b>	10	60–160	10	9	12	$h_{ef} + 30 \geq 100$	40
<b>M10</b>	12	60–200	20	12	14	$h_{ef} + 30 \geq 100$	50
<b>M12</b>	14	70–240	40'	14	16	$h_{ef} + 30 \geq 100$	60
<b>M16</b>	18	80–320	60	18	20	$h_{ef} + 2d_0$	75
<b>M20</b>	22	90–400	100	22	24	$h_{ef} + 2d_0$	95
<b>M24</b>	28	96–480	170	26	30	$h_{ef} + 2d_0$	115
<b>M27</b>	30	108–540	250	30	33	$h_{ef} + 2d_0$	125
<b>M30</b>	35	120–600	300	33	40	$h_{ef} + 2d_0$	140

\*Maximum installation torque for M12 with steel Grade 4.6 is 35 Nm

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## Post-installed rebar

Brushes, piston plugs, maximum embedment depth and mixer extension, hammer (HD) and compressed air drilling (CD)

Installation parameter													
Bar size Ø	Tension anchor Ø	Drill bit-Ø		d <sub>b</sub> Brush-Ø		d <sub>b,min</sub> min. Brush-Ø	Piston plug	Cartridge: all size				Cartridge: side-by-side (825 ml)	
		HD	CD					Hand or battery tool		Pneumatic tool		Hand or battery tool	
				l <sub>v,max</sub>	Mixer extension	l <sub>v,max</sub>		Mixer extension	l <sub>v,max</sub>	Mixer extension			
[mm]	[mm]	[mm]	[mm]	[-]	[mm]	[mm]	[-]	[cm]	[-]	[cm]	[-]	[cm]	[-]
8	-	12	-	RB12	13.5	12.5	-	70	VL 10/0.75	80	VL 10/0.75	80	VL 10/0.75
10	-	14	-	RB14	15.2	14.5	VS14			100		100	
12	M12	16		RB16	17.5	16.5	VS16			100		100	
14	-	18		RB18	20.0	18.5	VS18			100		100	
16	M16	20		RB20	22.0	20.5	VS20			100		100	
20	M20	25	-	RB25	27.0	25.5	VS25	50	VL 10/0.75	70	VL 10/0.75	200	VL 16/1.8
	-	-	26	RB26	28.0	26.5	VS25			70		70	
22	-	28		RB28	30.0	28.5	VS28			70		70	
24		32		RB32	34.0	32.5	VS32			70		70	
25	M24	32		RB32	34.0	32.5	VS32			70		70	
28	-	35		RB35	37.0	35.5	VS35	50	VL 10/0.75	200	VL 10/0.75	200	VL 16/1.8
32	-	40		RB40	43.5	40.5	VS40			200		200	

Brushes, piston plugs, maximum embedment depth and mixer extension, hollow drill bit system (HDB)

Installation parameters															
Bar size Ø	Tension anchor Ø	Drill bit-Ø		d <sub>b</sub> Brush-Ø		d <sub>b,min</sub> min. Brush-Ø	Piston plug	Cartridge: all size				Cartridge: side-by-side (825 ml)			
		HDB						Hand or battery tool		Pneumatic tool		Hand or battery tool			
				l <sub>v,max</sub>	Mixer extension	l <sub>v,max</sub>		Mixer extension	l <sub>v,max</sub>	Mixer extension					
[mm]	[mm]	[mm]		[-]	[mm]	[mm]	[-]	[cm]	[-]	[cm]	[-]	[cm]	[-]		
8	-	12		No cleaning required			-	70	VL 10/0.75	80	VL 10/0.75	80	VL 10/0.75		
10	-	14					VS14			100		100			
12	M12	16					VS16			100		100			
14	-	18					VS18			100		100			
16	M16	20					VS20			100		100			
20	M20	25					VS25	50	VL 10/0.75	70	VL 10/0.75	100	VL 10/0.75	100	VL 16/1.8
22	-	28					VS28			70		70			
24	-	32					VS32			70		70			
25	M24	32					VS32			70		70			
28	-	35					VS35			70		70			
32	-	40		VS40	70	70									