

Injection system MULTIFIX USF Winter



Included in delivery

- 1 mortar cartridge
- 2 mixing nozzles

Cross references

Anchor rod
Mesh sleeve
Cleaning brush
Blow-out pump
Applicator gun
Hammer drill SDS plus®
Cordless hammer drill ABH

Product video



Installation process



Application examples

- > Designed for medium-duty applications in concrete and masonry and for low temperatures up to -20 °C, including facades, awnings, storage racks, railings, sanitary equipment, pipe supports and cable management systems
- > Suitable for post-installed rebar applications in renovation, extension and retrofit projects

Application range

Substrates:

- > Cracked and uncracked concrete
- > Masonry

Fastening elements:

- > Threaded rods (galvanized and stainless steel)
- > Post-Installed rebars
- > Internal threaded anchor rods

Characteristics

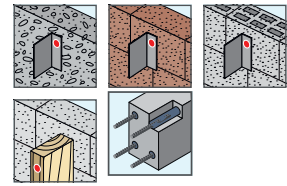
- > High-performance styrene-free vinylester resin
- > For medium-duty applications
- > Seismic action and fire exposure assessment
- > Can be used in wet concrete and water-filled drill holes
- > The cartridge can be used again until the end of its shelf life by replacing the static mixer or by closing it again with the original cap
- > Cartridge temperature may conform to the low outside temperature
- > Suitable curing times at low temperatures
- > 50 years working life assessment

Notice

Please observe the corresponding approvals during planning and processing.

The storage temperature must not permanently exceed 25 °C!
Please store upright!

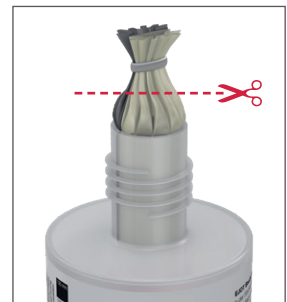
Applications



Technical specifications

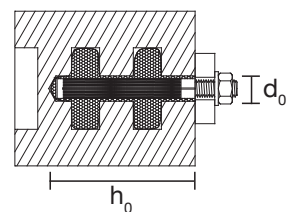
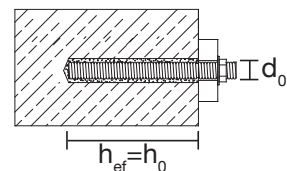


Certifications



Note:

Plastic bag must be cut open before processing!



Installation parameters			
Anchor rod	d ₀ [mm]	h _{ef} = h ₀ min – max [mm]	T _{inst} concrete ≤ [Nm]
M8	10	60 – 160	10
M10	12	60 – 200	20
M12	14	70 – 240	40
M16	18	80 – 320	80
M20	24	90 – 400	120
M24	28	96 – 480	160
M27	32	108 – 540	180
M30	35	120 – 600	200

Installation parameters			
Temperature in base material	Maximum working time	Curing time in dry base material	Curing time in wet base material
-20 °C*	1h 15 min	24h	48h
≥ -15 °C	55 min	16h	32h
≥ -10 °C	35 min	10h	20h
≥ -5 °C	20 min	5h	10h
≥ 0 °C	10 min	2h 30 min	5h
≥ +5 °C	6 min	1h 20 min	2h 40 min
10 °C	6 min	1h	2h
*Min. cartridge temperature -20 °C			

Consumption in solid building materials (300 ml)			
Anchor rod	d ₀ [mm]	h ₀ [mm]	Number of fills
M8x130	10	80	44
M10x130	12	90	27
M10x170	12	130	19
M12x160	14	110	16
M16x190	18	125	9

Consumption in perforated building materials				
Mesh sleeve	Anchor rod	d ₀ [mm]	h ₀ [mm]	Number of fills
USF 12x80	M8	12	85	17
USF 16x85	M8/M10	16	90	11
USF 16x130	M8/M10	16	135	6
USF 20x85	M12/M16	20	90	6
USF 20x130	M12/M16	20	135	4
USF 20x200	M12/M16	20	205	2

Order description	Content [ml]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Mortar cartridge USF winter 300 ml	300	1		9571000300	4061245010540
Mixer extension 500 mm	–	1		8682900004	4061245081106
Mixing nozzle USF	–	1		9570040141	4061245061900
Ordering information: USF Winter 300 ml incl. 2 mixing nozzles included in the scope of delivery					