

Injection system MULTIFIX USF Tropical



Included in delivery

- 1 mortar cartridge USF 300 ml incl.
- 2 mixing nozzles
- 1 mortar cartridge USF 420 ml incl.
- 1 mixing nozzle

Cross references

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

Application examples

- > Designed for medium-duty applications in concrete and masonry and for high temperatures up to +45 °C, including façades, 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

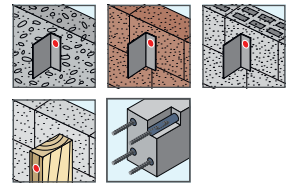
Characteristics

- > High-performance styrene-free vinylester resin
- > For medium-duty applications
- > Seismic action 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 high outside temperature
- > Suitable curing times at high temperatures
- > 50 years working life assessment

Notice

Please observe the corresponding approvals during planning and processing.

Applications



Technical specifications



Certifications



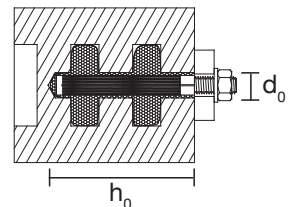
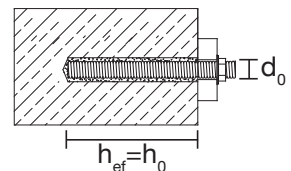
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Installation parameters

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

Installation parameters

Temperature in base material	Maximum working time	Minimum curing time
+10°C to +14°C	30 min	5h
+15°C to +19°C	20 min	3h 30 min
+20°C to +29°C	15 min	2h 25 min
+30°C to +34°C	10 min	1h 20 min
+35°C to +39°C	6 min	45 min
+40°C to +44°C	4 min	25 min
+45°C	2 min	20 min

Cartridge temperature +5°C up to +45°C

Consumption in solid building materials (300 ml)

Anchor rod	d ₀ [mm]	h ₀ [mm]	Number of fills
M8x130	10	80	43
M10x130	12	90	27
M10x170	12	130	19
M12x160	14	110	16
M16x190	18	125	8

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

Order description	Content [ml]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Mortar cartridge USF Tropical 300 ml	300	1		9570001300	4061245131818
Mortar cartridge USF Tropical 420 ml	420	1		9570000420	4061245131825
Mixer extension 500 mm	–	1		8682900004	4061245081106
Mixing nozzle USF	–	1		9570040141	4061245061900

Ordering information: USF Tropical 300 ml incl. 2 mixing nozzles or USF Tropical 420 ml incl. 1 mixing nozzle included in the scope of delivery