

Injection system MULTIFIX USF



Included in delivery

- 1 mortar cartridge USF 280 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, 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

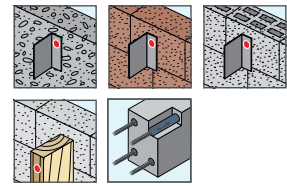
- > High-performance styrene-free vinylester resin
- > For medium-duty applications
- > Seismic action and fire exposure assessment
- > Can be used in wet concrete and water-filled drill holes
- > The cartridge can be used again until the end of its shelf life by replacing the static mixer or by closing it again with the original cap
- > 50 years working life assessment
- > Fire exposure assessment
- > Overhead installation
- > Water-filled drill holes

Notice

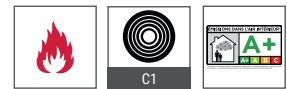
Please observe the corresponding approvals during planning and processing.

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

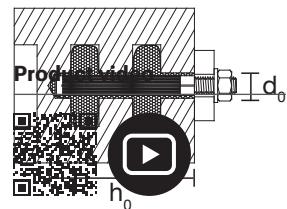
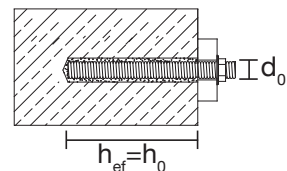
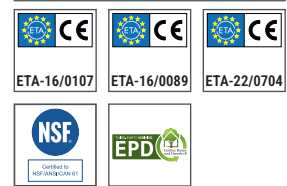
Applications



Technical specifications



Certifications



Installation process



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	60
M20	22	90 – 400	100
M24	28	96 – 480	170
M27	30	108 – 540	250
M30	35	120 – 600	300

Installation parameters

Temperature in base material	Maximum working time	Curing time in dry base material	Curing time in wet base material
-10 °C*	1h 30 min	24h	48h
≥ -5 °C	1h 30 min	14h	28h
≥ 0 °C	45 min	7h	14h
≥ +5 °C	25 min	2h	4h
≥ +10 °C	15 min	1h 20 min	2h 40 min
≥ +20 °C	6 min	45 min	1h 30 min
≥ +30 °C	4 min	25 min	50 min
≥ +35 °C	2 min	20 min	40 min
+40 °C	1.5 min	15 min	30 min
*Min. cartridge temperature +15 °C			

Consumption in solid building materials (280 ml)

Anchor rod	d ₀ [mm]	h ₀ [mm]	Number of fills
M8x130	10	80	41
M10x130	12	90	26
M10x170	12	130	18
M12x160	14	110	15
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 280 ml	280	1		9571000280	4061245010557
Mortar cartridge USF 420 ml	420	1		9571001420	4061245081007
Mixer extension 500 mm	–	1		8682900004	4061245081106
Mixing nozzle USF	–	1		9570040141	4061245061900

Ordering information: USF 280 ml incl. 2 mixing nozzles or USF 420 ml incl. 1 mixing nozzle included in the scope of delivery