

Injection system Multifix USF Winter



Included in delivery

- 1 mortar cartridge
- 2 mixing nozzles

Cross references

- Anchor rod
- Msh sleeve
- Cordless hammer drill ABH
- Hammer drill SD plus
- Applicator gun
- Cleaning brush
- Blow-out pump

Product video



Installation process



Application range

- > For installation in cracked concrete (option 1) and non-cracked concrete (option 7) (ETA-16/0107)
- > For installation in masonry (ETA-16/0089)
- > Approved for anchor rods M8, M10, M12, M16, M20, M24, M27, M30

Properties

- > Vinyl resin, styrene-free
- > Cartridge temperature may conform to the low outside temperature
- > Shorter curing times at low temperatures
- > Can be used in wet concrete and 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!

Installation parameters

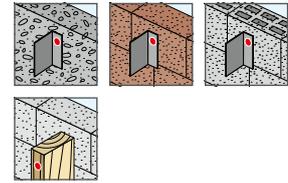
Anchor rod	d_0 [mm]	$h_{ef} = h_0$ min-max [mm]	$T_{inst. \text{ concrete}}$ \leq [Nm]
M8	10	60–160	10
M10	12	60–200	20
M12	14	70–240	40
M16	18	80–320	80
M20	24	90–400	120
M24	28	96–480	160
M27	32	108–540	180
M30	35	120–600	200

Installation parameters (USF Winter 300 ml)

Ambient temperature [°C]	Processing time	Curing time in dry weather	Curing time in wet weather
-20*	1h 15'	24h	48h
≥ -15	55'	16h	32h
≥ -10	35'	10h	20h
≥ -5	20'	5h	10h
≥ 0	10'	2h 30'	5h
$\geq +5$	6'	1h 20'	2h 40'
10	6'	1h	2h

*Min. cartridge temperature -20 °C

Applications



Technical specifications

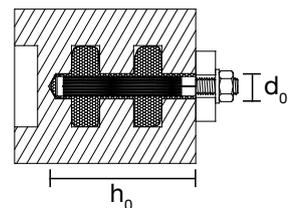
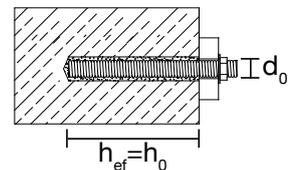


Certifications



Note:

Plastic bag must be cut open before processing!



Consumption in solid building materials (USF winter 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

Msh 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

Product online



Order description	Content [ml]	PU [pieces]	Price/1 [EUR]	Article number	EAN
Mortar cartridge USF winter 300 ml	300	1		9571000300	4061245010540
Mixer extension 500ml	–	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					