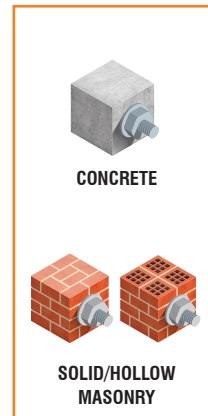


UNIVERSAL CHEMICAL RESIN EPOXYACRYLATE



FEATURES

Styrene-free epoxyacrylate resin

Can be used with :

- M8 to M24 zinc-plated and A4-70 stainless steel - threaded rod.
- Nylon sleeve for use in hollow masonry
- Universal : ETA x2 : Concrete (M8 to M24 threaded rod), and solid and hollow masonry (M8 to M16)
- Masonry ETA includes load values for 16 products of the european and french market, whose : hollow brick "POROTHERM" (Wienerberger) and "TERREAL", solid and hollow cellular concrete, B40 hollow concrete blocks...
- Can be used in immersed holes (M8 to M24).
- Can be used indoors.
- Temperature range : from -40°C to +80°C in concrete and masonry.

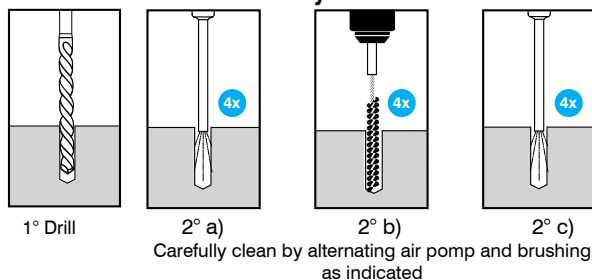
APPLICATION EXAMPLES

- Blinds, hinges, gates
- Boilers, air-conditioner, plumbing fixtures
- Antenna
- Bracket anchors

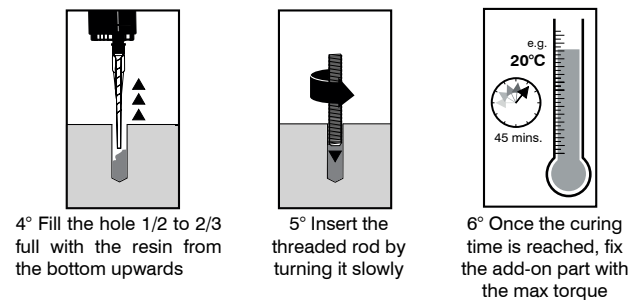


INSTALLATION

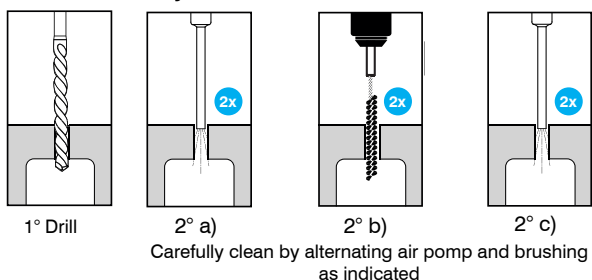
Concrete and solid masonry :



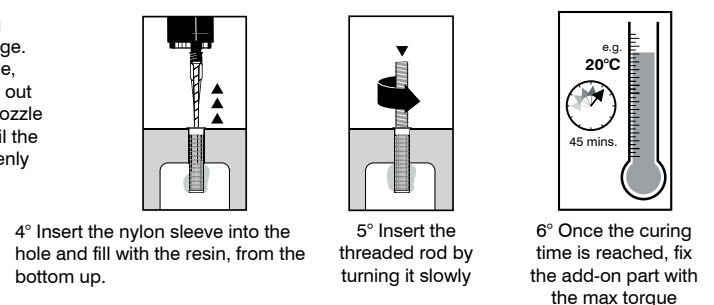
3° Attach the mixing nozzle to the cartridge. Before filling the hole, extrude first 5-10 ml out of the hole (fill the nozzle at least 3 times) until the colour becomes evenly grey.



Hollow masonry :



3° Attach the mixing nozzle to the cartridge. Before filling the hole, extrude first 5-10 ml out of the hole (fill the nozzle at least 3 times) until the colour becomes evenly grey.



CURING TIME ON DRY SUPPORT

Concrete temperature	- 5°C	0°C	+ 5°C	+ 10°C	+ 15°C	+ 20°C	+ 30°C	+ 35°C
Maximum working time	30min	45min	25min	20min	15min	6min	4min	2min
Minimum curing time	6h	3h	2h	100min	80min	45min	25min	20min

Cartridge temperature must be between +5°C and +40 °C

INSTALLATION DATAS

1



C20/25
non cracked
concrete

2



Solid brick
according
EN771-1

3



Cellular concrete
according EN
771-4

4



hollow concrete
block according
EN 771-3

5



hollow brick
Porotherm type
(Wiener Berger)
according EN
771-1

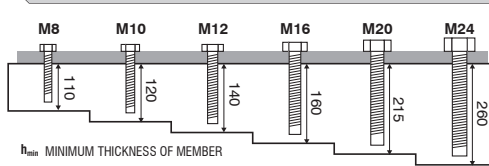
Concrete support 1

		M8	M10	M12	M16	M20	M24
Ø Drill size (mm)	d_{cut}	10	12	14	18	24	28
Anchor depth (mm)	h_{ef}	80	90	110	125	170	210
Socket/wrench size (mm)	Sw	13	17	19	24	30	35
Torque setting (N.m)	T_{inst}	10	20	40	60	120	150

C_{min} : Minimum edge distance

S_{min} : Minimum spacing

	M8	M10	M12	M16	M20	M24
C_{min}	40	50	60	80	100	120
S_{min}	40	50	60	80	100	120



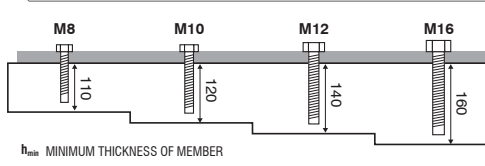
Solid masonry without sleeve

		M8	M10	M12	M16
Ø Drill size (mm)	d_{cut}	10	12	14	18
Anchor depth (mm)	h_{ef}	80	90	100	100
Torque setting (N.m)	T_{inst}	6	10	10	10
Solid brick					
Cellular concrete		2	2	2	2

C_{min} : Minimum edge distance

S_{min} : Minimum spacing

	M8	M10	M12	M16
C_{min}	120	135	150	150
S_{min}	240	270	300	300



Hollow masonry with sleeve

		M8	M10	M12	M16
Sleeve size (mm)	Ø	12	15	15	20
	L	80	85	130	85
Ø Drill size (mm)	d_{cut}	12	15	15	20
Anchor depth (mm)	h_{ef}	80	85	130	85
Torque setting	T_{inst}	2	2	2	2
Hollow concrete block		2	2	2	2
Hollow brick		6	6	6	6

C_{min} : Minimum edge distance

S_{min} : Minimum spacing

	M8	M10	M12	M16
C_{min}	100	100	120	120
S_{min}	500	500	500	500



RECOMMENDED LOADS

- Loads are calculated from characteristic values published in the ETA on which partial safety factors from the ETAG001 and ETAG0029 and a partial action f coefficient $\gamma_f = 1.4$ are applied. Values are given for standard anchor depths.
- Values calculated for $T^\circ = +24^\circ\text{C}/+40^\circ\text{C}$ with 5.8 zinc plated steel threaded rod.
- For masonry, values below depends on the model of masonry and sleeve. Find the values for each cases in the ETA n° 16/0431

