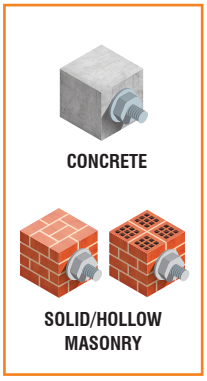
UNIVERSAL CHEMICAL RESIN POLYESTER STYRENE FREE

FIRST

STYRENE FREE

ÉMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C



ETA CE EUROPEAN TECHNICAL APPROVAL OPTION 7 11/0444

ETA CE EUROPEAN TECHNICAL APPROVAL MASONRY 13/0325

STONE COLOUR
CONCRETE COLOUR

Anchor design software

FEATURES

styrene-free polyester resin

Can be used with:
- M8 to M24 zinc-plated and A4-70 stainless steel threaded rod.
- nylon sieve for use in hollow masonry.

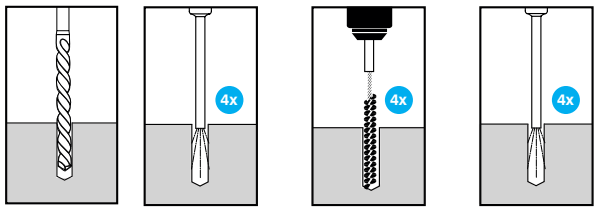
advantages:
- Universal: ETA for concrete (M8 to M24 threaded rod) and ETA for hollow and solid masonry (M8 to M16)
- ETA masonry (13/0325) includes loads values for 18 materials of european and french market, whose: hollow brick "POROTHERM" (Wienerberger), solid and hollow cellular concrete, B40 hollow concrete blocks...
- Can be used indoors.
- Easy extrusion
- Available in concrete and stone tone
- Temperature range: from -40°C to +40°C in concrete and masonry.
- Can be used in immerged holes in concrete (ETA 11/0444)

APPLICATION EXAMPLES

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

INSTALLATION

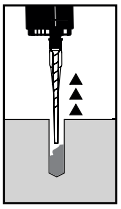
Concrete and solid masonry :



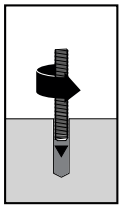
1° Drill

2° a) 2° b) 2° c) Carefully clean by alternating air pomp and brushing as indicated

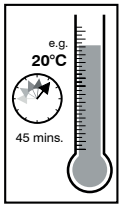
3° Attach the mixing nozzle to the cartdrige. Before filling the hole, extrude first 5-10 ml out of the hole (fill the nozzle at least 3 times) until the colour becomes evenly grey.



4° Fill the hole 1/2 to 2/3 full with the resin from the bottom upwards

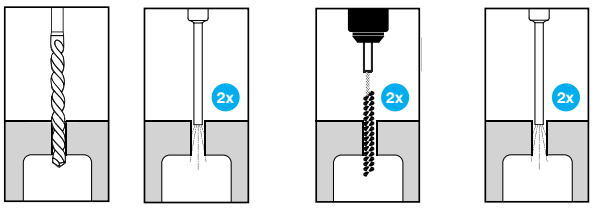


5° Insert the threaded rod by turning it slowly



6° Once the curing time is reached, fix the add-on part with the max torque

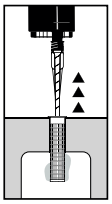
Hollow masonry :



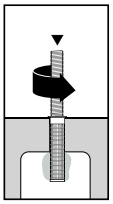
1° Drill

2° a) 2° b) 2° c) Carefully clean by alternating air pomp and brushing as indicated

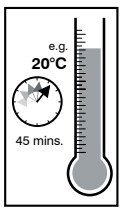
3° Attach the mixing nozzle to the cartdrige. Before filling the hole, extrude first 5-10 ml out of the hole (fill the nozzle at least 3 times) until the colour becomes evenly grey.



4° Insert the nylon sieve into the hole and fill with the resin, from the bottom up.



5° Insert the threaded rod by turning it slowly



6° Once the curing time is reached, fix the add-on part with the max torque

CURING TIME

Concrete temperature	- 5°C	0°C	+ 5°C	+ 10°C	+ 20°C	+ 30°C	+ 35°C
Maximum working time	90'	45'	25'	15'	6'	4'	2'
Minimum curing time	360'	180'	120'	80'	45'	25'	20'

For implementation to T° < 0°C, cartdrige temperature must be between +15°C and +25°C.
For implementation to 0°C < T° < 30°C, cartdrige temperature must be between +5°C and +25°C.
For implementation to T° > 30°C, cartdrige temperature must be < +20°C

INSTALLATION DATAS

1 C20/25 non craked concrete

2 Solid brick according EN771-1

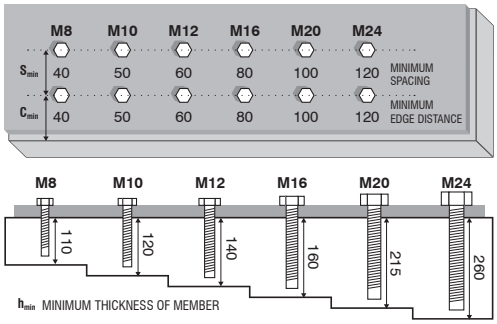
3 Cellular concrete according EN 771-4

4 hollow concrete block according EN 771-3

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

Concrete support 1

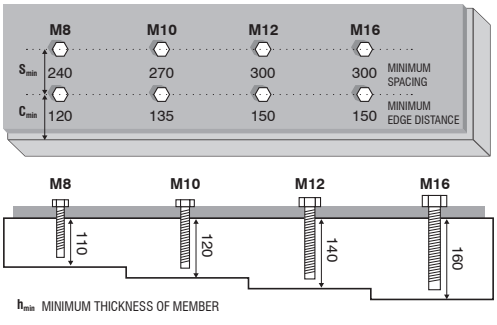
		M8	M10	M12	M16	M20	M24
Ø Drill size (mm)	d_{cut}	10	12	14	18	24	28
Anchor depth (mm)	h_{ef}	80	90	110	125	170	210
Socket/wrench size (mm)	Sw	13	17	19	24	30	35
Torque setting (N.m)	T_{inst}	10	20	40	60	120	150



Solid masonry without sieve

2 3

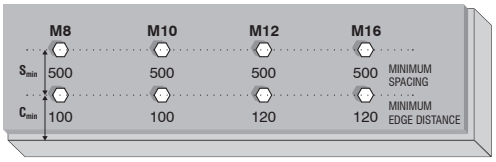
		M8	M10	M12	M16
Ø Drill size (mm)	d_{cut}	10	12	14	18
Anchor depth (mm)	h_{ef}	80	90	100	100
Torque setting (N.m)	T_{inst}				
Solid brick		6	10	10	10
Cellular concrete		2	2	2	2



Hollow masonry with sieve

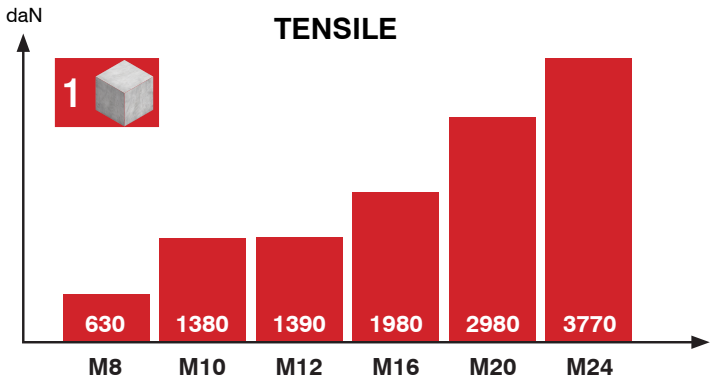
4 5

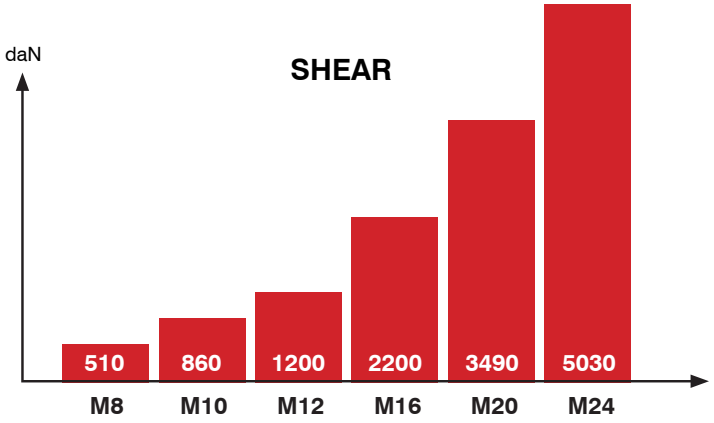
		M8	M10		M12		M16	
Sieve size (mm)	Ø	12	15	15	20	20	20	20
	L	80	85	130	85	130	85	130
Ø Drill size (mm)	d_{cut}	12	15	15	20	20	20	20
Anchor depth (mm)	h_{ef}	80	85	130	85	130	85	130
Torque setting	T_{inst}							
Hollow concrete block		2	2	2	2	2	2	2
Hollow brick		6	6	6	6	6	6	6

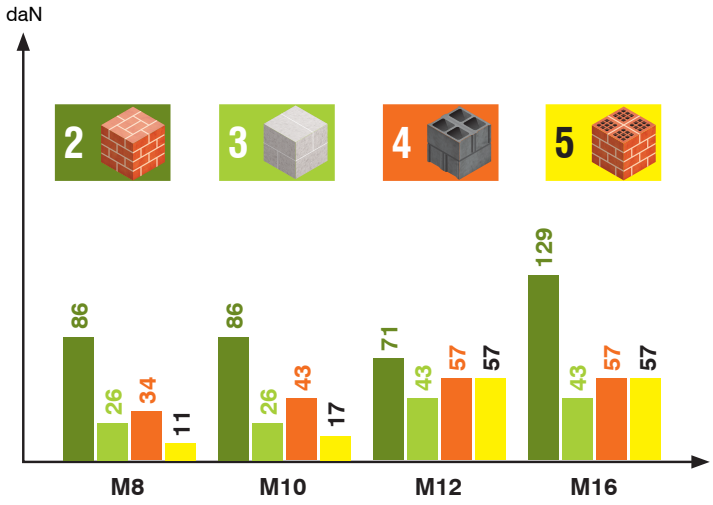


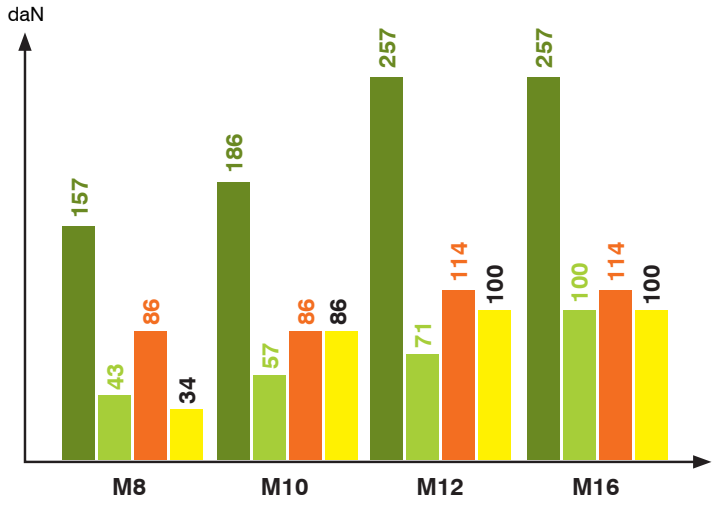
RECOMMENDED LOADS

- 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 γ_f= 1.4 are applied. Values are given for standard anchor depths.
- Values calculated for T°=+24°C/+40°C with 5.8 zinc plated steel threaded rod.
- For masonry, values below depends on the model of masonry and sieve. Find the values for each cases in the ETA n° 13/0325









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