

PURE EPOXY CHEMICAL RESIN

EXTREME CONDITIONS

PURE-PRO



COMPATIBLE TOOL

SI-P385

NON CRACKED CRACKED CONCRETE

CONCRETE STONE

CONCRETE-IMMERGED SEALING
OPTION 1

SEISMIC CLASS C1/C2

ETA CE
EUROPEAN TECHNICAL ASSESSMENT
OPTION 1
09/0006

ÉMISSIONS DANS L'AIR INTÉRIEUR

FEATURES

Pure epoxy styrene-free resin can be used with:

- M8 to M30 zinc-plated and A4-70 stainless steel threaded rod.
- Ø8 to Ø32 reinforcing bar.

Advantages:

- ETA : M8 to M30 threaded rod and Ø8 to Ø32 reinforcing bars in cracked/ non cracked concrete.
- Very high mechanical resistance, including in aggressive atmospheres.
- Can be used under seismic conditions :
C1 performance for threaded rods (M8 to M30) and reinforcing bars (Ø8 to Ø32)
C2 performance for threaded rods (M12 to M16).
- Fire resistant (F120)
- Can be used in immersed holes (M8 to M30 and Ø8 to Ø32)
- Low odour
- Temperature range in concrete : from -40°C to +72°C.

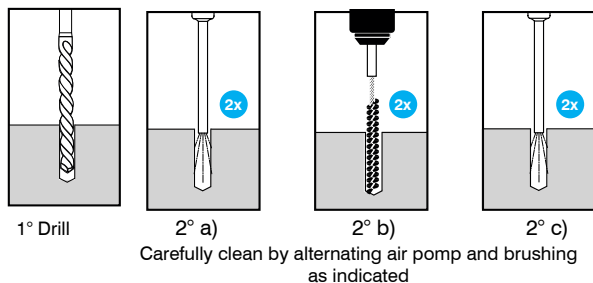
APPLICATION EXAMPLES

- Railings, anchoring scaffolding
- Metal gantries, hollow block
- Bracket anchors, joist end plates maritime and river works

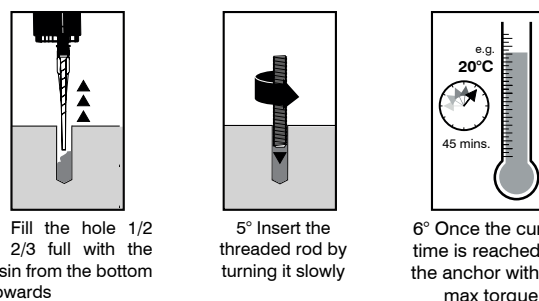


INSTALLATION

Concrete and solid brick



3° Attach the mixing nozzle to the cartridge. Before filling the hole, extrude first 5-10 cm out of the hole until the colour becomes evenly grey



CURING TIME

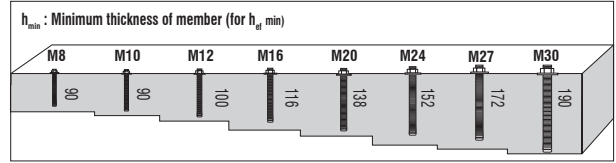
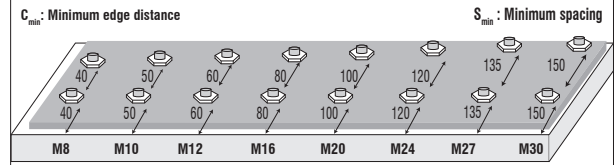
Concrete temperature	≥'+5°C	≥'+10°C	≥'+20°C	≥'+30°C	≥'+40°C
Maximum working time	120 min	90 min	30 min	20 min	12 min
Minimum curing time on dry support	50 h	30 h	10 h	6 h	4 h
Minimum curing time on wet support	100 h	60 h	20 h	12 h	8 h

To start the installation, cartridge temperature must be between +5°C and +40°C.

INSTALLATION DATAS

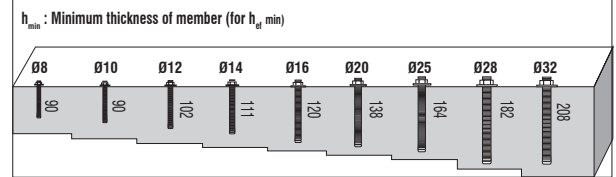
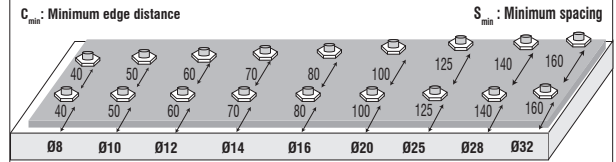
Threaded rod sealing

		M8	M10	M12	M16	M20	M24	M27	M30
Ø drill size (mm)	d_{cut}	10	12	14	18	24	28	32	35
	$h_{ef,min}$	60	60	70	80	90	96	108	120
Anchor depth (mm)	$h_{ef,std}$	78	90	107	136	165	192	216	240
	$h_{ef,max}$	96	120	144	192	240	288	324	360
Torque setting (N.m)	T_{inst}	10	20	40	80	120	160	180	200



Reinforcing bars

		Ø8	Ø10	Ø12	Ø14	Ø16	Ø20	Ø25	Ø28	Ø32
Ø drill size (mm)	d_{cut}	12	14	16	18	20	24	32	35	40
	$h_{ef,min}$	60	60	70	75	80	90	100	112	128
Anchor depth (mm)	$h_{ef,std}$	78	90	107	121.5	136	165	200	224	256
	$h_{ef,max}$	96	120	144	168	192	240	300	336	384
Torque setting (N.m)	T_{inst}	10	20	40	40	80	120	160	180	200



THREADED ROD AND REINFORCING BAR RESIN : RECOMMENDED LOADS

- Loads are calculated from characteristic values published in the ETA on which partial safety factors from the ETAG001 and a partial action coefficient $\chi_f = 1.4$ 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 installation in dry or wet hole.

