

EPOMAX-ANCHOR

Fast-curing anchoring adhesive for reinforcement rods

Description

EPOMAX-ANCHOR is a two-component polyester-based anchoring adhesive. It does not contain solvents and styrene and has no shrinkage behavior.

Fields of application

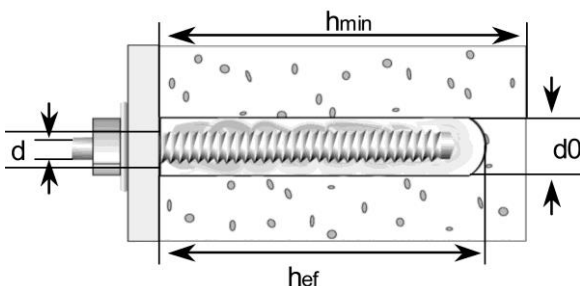
EPOMAX-ANCHOR can be used as a fast-curing anchoring adhesive for reinforced bars, threaded rods, anchor bolts, etc. It can be used to install these fixtures into concrete, solid rock, hollow and solid masonry, etc.

Technical data

Base: polyester styrene free
 Color: grey
 Mixing proportion (A:B): 10:1 ratio by volume
 Density: 1.65 kg/l
 Application temperature: +5°C – 35°C
 Curing:

Temperature	Working time	Curing time
+ 5 °C	25 min	120 min
+ 10 °C	15 min	80 min
+ 20 °C	6 min	45 min
+ 30 °C	4 min	25 min
+ 35 °C	2 min	20 min

Compression strength: 75 Mpa after 24h



Thread diameter d (mm)	8	10	12	16	20
Drill diameter d0 (mm)	10	12	14	18	24
Anchorage depth hef (mm)	80	90	110	125	170
Minimum partthickness h min (mm)	130	140	160	175	220
Edge distance C _{cr,N} (mm)	80	90	110	130	170
Axial distance S _{cr,N} (mm)	160	180	220	250	340
Design load values for concrete C20/25 N _{Rk} (KN)	12.3	18.4	26.0	30.2	48.1
Recommended loads for concrete C20/25 F _{rec} (KN)	4.7	7.1	10.0	11.2	18.8

Directions for use

1. Installation to concrete or solid stone

Drill correct diameter hole to the recommended depth. Then clean the hole thoroughly with a nylon brush and remove any loose particles using compressed air, hand pump, etc.

Screw the mixer to the cartridge, after that, attach the mixer nozzle to the end of the cartridge and insert the cartridge into the applicator gun. Afterwards squeeze out to discard approximately 15 ml of compound, this quantity is not used. Starting from the back end, fill hole completely with the resin. Push anchor up to base of hole whilst turning it slightly. A visual check of resin filling is necessary.

Allow the material to cure before attaching fixings and applying loads. Be consulted the relative table of curing times for EPOMAX-ANCHOR.

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2. Installation to hollow bricks and artificial stone

Drill hole without percussion drill. Then remove any loose particles using compressed air, hand pump, etc. Screw the mixer to the cartridge, after that, attach the mixer nozzle to the end of the cartridge and insert the cartridge into the applicator gun. Afterwards squeeze out to discard approximately 15 ml of compound, this quantity is not used.

Insert the perforated sleeve in the hole.

Starting from the back end, fill the perforated sleeve with resin. Afterwards, push anchor up to the base of the sleeve whilst turning it slightly. Allow the material to cure before attaching fixings and applying loads. Be consulted the relative table of curing times for EPOMAX-ANCHOR.

Consumption

Depending on the application.

Packaging

Cartridges of 300 ml.

Shelf life – Storage

Shelf life is 12 months, in dry and frost-free conditions.

Remarks

EPOMAX-ANCHOR can be applied in low ambient temperatures up to -5°C but the temperature of the product has to be at least 10°C .