



Anchor

ANCHORING – ATTACHING – MOUNT - RECOVERING

- ✓ chemical anchor
- ✓ two-component mortar

Technical Info

Product based on: Vinyl ester resins, free of styrene- and phthalate. Colour: grey. Odour: Weak, low-odour. Application temperature (ambient): Between -5°C and +40°C. Application temperature (cartridge): Between +5°C and +20°C. Temperature resistance after complete hardening: from -40°C to +80°C, with peaks up to +120°C. Density: 1,66 kg/dm³. Compressive strength: 103 N/mm². Bending strength: 37 N/mm². Dynamic elastic modulus: 1200 N/mm². Chemical resistance: high. Shelf life: 18 months, kept dry, cool and frost free.

Packing

Anchor - cartridge 280ml

610148000

Product

Characteristics

A professional chemical anchor for effective mounting and securing of all building materials, including concrete, solid and hollow stone and aerated concrete,...

Anchor can also be used as a filler for superfluous drill holes,...

- Two-component chemical anchor based on vinyl ester resins.
- Withstands high forces.
- Can be used on wet surfaces - even under water.
- Can be applied at temperatures from -5°C to +40°C.
- After rapid hardening, becomes stronger than the underlying material:
 - Hardens without shrinkage, making it reliable.
 - Hardens without expansion, making it stress-free.
- Safe, environmentally friendly and easy to use. Also suitable for use indoors: Styrene-free, phthalate-free and has little odour.
- Extremely high UV and chemical resistance.
- Can be used in aggressive surroundings.
- Highly resistant to chlorinated and salt water.
- High dimensional stability: Can be used over your head in holes in the ceiling.
- Very long storage life, even when the cartridge has been opened and used.

Applications

Anchor is a two-component resin cement based on styrene-free vinyl esters and a standard pattern. Can be injected using a Tec Gun. The two components are mixed using static mixer tips.

The unique combination of rapid hardening, wide margins for application and physical properties make it a unique chemical anchor for the professional market:

- Mounting and assembly of structural components in all building materials, including uncracked concrete, light concrete, foamed concrete, solid masonry, solid and hollow bricks, natural stone (important: test stone for discolouration).

- Anchoring of, e.g., railings, sanitary fixtures, cable ducts and pipes, metal sections, reinforcing steel, internal threaded rods, threaded rods, façade panels,...
- Anchor can also be used as a repair cement for concrete: As a filler for superfluous drill holes.
- Can, thanks to its expansion-free hardening, be used for anchors where there is limited space between the shaft and wall.
- The cartridge can be reclosed with the protective cap after use and stored.

Use

- Drill a hole of the correct diameter (see diagram).
- Remove dust from the drill hole with a brush, pump or compressed air.
- Place Anchor/ 2K Mix in an adapted Tec Gun and attach the mixer tip.
- First expel about 10 cm to get a correct mix of the two components.
- a. For solid masonry: Fill the drill hole from bottom to top.
- b. For hollow masonry: Use a Harpoon plug and fill this with Anchor.
- Insert the threaded rod using a turning motion.
- Remove excess product.
- Visual check.

Anchor can be used at freezing temperatures down to -5°C . As long as the cartridge remains at room temperature.



ANCHOR AS A CHEMICAL ANCHOR FOR SOLID CONCRETE

Rod end \varnothing	Number of attachments per cartridge
M8	48
M10	32
M12	20
M16	8

WITH PLUGS**PLUG 13: Drill hole of \varnothing 13 mm to \varnothing 16 mm**

Rod end \varnothing	Number of attachments per cartridge
M8	48
M10	32
M12	20
M16	8

PLUG 15: Drill hole of \varnothing 15 mm to \varnothing 18mm

Rod end \varnothing	Number of attachments per cartridge
M12	8-10
M10	8-9
M8	7-8

HARDENING

Temperature	Open working time	Hardening on a dry substratum	Hardening on a wet substratum
+35°C	2 min.	20 min.	40 min.
+30°C	4 min.	25 min.	50 min.
+20°C	6 min.	45 min.	90 min.
+10°C	15 min.	80 min.	160 min.
+5°C	25 min.	2 h	4 h
0°C	45 min.	3 h	6 h
-5°C	90 min.	6 h	12 h

DRILL SIZES AND PULLING FORCE

Threaded end	Drill	Drill depth mm	Pulling Force
M8	10	80	15,9 kN
M10	12	90	25,0 kN
M12	14	110	34,9 kN
M16	18	125	49,9 kN