

Decoanchor VE-2



DECOLOR

» House of colors «

Adhesives and sealants



Two-component vinyl-ester adhesive without styrene.

DESCRIPTION

DECOANCHOR VE-2 is two-component vinyl-ester adhesive (without styrene) used for anchoring under predominantly static loads. It is used for fastening anchors supporting heavy and normal loads in stone, concrete, lightweight concrete and brick which are constantly under water. It is suitable for ports and tunnels, can be easily squeezed out and injected and does not drip. It hardens fast, adhesive does not expand during hardening and is thus appropriate for loads placed near facilities' edges.

PACKAGING & STORAGE

Packaging unit:

Cartridge: 300 ml.

Storage:

In a dry and cool storage place at temperatures between + 5°C and + 25°C and in the original/sealed package.

APPLICATION

Anchor installation into massive materials like stone or concrete

- Drill correct diameter hole to recommended depth perpendicular to the surface.
- Clean the borehole thoroughly with a round brush having a diameter bigger than that of a borehole and blow the dust out of the borehole using compressed air.
- Pull the cap out of the cartridge, cut it off and attach a static mixer.
- Attach the cartridge onto a gun and start injecting the adhesive. The adhesive is well mixed when evenly grey in colour. Do not use first 10 cm of the adhesive for anchoring.
- Use bottom-up approach when filling up the borehole
- While turning the anchor slowly place it into the filled up borehole. The adhesive should come out at the side. Pay attention to insert the anchor prior to the end of bonding time.
- During hardening time the anchor must not be moved or under load.

CHARACTERISTICS

- Fast hardening
- Also useful at low temperatures, up to - 10°C
- Multipurpose, for extra heavy loads
- Good adhesion to moist surfaces
- Suitable for materials being constantly under water
- Could be applied using an ordinary cartridge adhesive gun
- Does not slump on vertical surfaces
- Does not drip; over-the-head use possible
- Solvents and styrene free
- Resistant to temperatures up to + 80°C, for a shorter period up to + 120°C
- Optimal temperature for application is from + 5°C to + 25°C
- Makes a water resistant barrier
- Excellent adhesion to all construction materials

Anchor installation into hollow bricks

- Make a borehole.
- Clean the borehole thoroughly with a round brush having a diameter bigger than that of a borehole and blow the dust out of the borehole using compressed air.
- Insert perforated casing.
- Pull the cap out of the cartridge, cut it off and attach a static mixer.
- Attach the cartridge onto a gun and start injecting the adhesive. The adhesive is well mixed when is evenly grey in colour. Do not use first 10 cm of the adhesive for anchoring.
- Use bottom-up approach when filling up the borehole.
- While turning the anchor slowly place it into the filled up borehole. The adhesive should come out at the side. Pay attention to insert the anchor prior to the end of bonding time.
- During hardening time the anchor must not be moved or loaded.

Surface preparation mortar and concrete must be older than 28 days.

The borehole should be dry, oil free and thoroughly cleaned with a brush and compressed air.

Borehole dimensioning for anchors

Anchor	M8	M10	M12	M16	M20
Borehole diameter (mm)	10	12	14	18	22
Borehole depth (mm)	80	90	110	125	170
Minimum part thickness (mm)	130	140	160	175	220
Minimum distance from the edge (mm)	100	120	140	170	220
Minimum distance between anchors (mm)	80	90	110	125	170
Recommended load in concrete C20/25 (kN)	6,3	9,9	13,9	19,8	29,6

Bonding/hardening time

Application temperature	Bonding time	Hardening time
- 5°C	90 min	360 min
0°C	45 min	180 min
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	20 min	20 min

