

# Decoanchor PE-1



**DECOLOR**

» House of colors «

## Adhesives and sealants



Two-component, polyester-based adhesive.

### DESCRIPTION

**DECOANCHOR PE-1** is two-component, polyester-based adhesive used for fastening anchors supporting heavy and normal loads in stone, concrete, lightweight concrete and brick.

It is also suitable as an adhesive for fastening anchors supporting heavy and normal loads in stone, concrete, lightweight concrete and bricks; also used as sanitation mortar or adhesive for concrete components or as adhesive for façade components, wooden and metal constructions, brackets, fences, sanitary implements, pipes. It can be easily squeezed out and injected. It does not drip and hardens fast.

### 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
- Multipurpose, for extra heavy loads
- Could be applied using an ordinary cartridge adhesive gun
- Does not slump on vertical surfaces
- Does not drip; over-the-head use possible
- Resistant to temperatures up to +80°C, for a shorter period up to +110°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 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)	4.1	6.2	8.9	9.9	11.4

### Bonding/hardening time

Application temperature	Bonding time	Hardening 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

