





## Adhesives & Sealants ANCHOR ADHESIVE

Technical Data Sheet

Reviewed: 12.06.2018

	
European Technical Approval ETAG 001 Parts 1 & 5 Option 7 Anchoring into concrete ETA-13/0207	European Technical Approval According to ETAG 029 Masonry installations ETA-11/0503



### DESCRIPTION

**ANCHOR ADHESIVE** is a fast curing solvent- and styrene free 2 part anchoring adhesive based on polyester resin. It has a very low odour and is ideal for use as well in confined spaces and indoors. Can be applied in dry, wet or flooded conditions.

### ADVANTAGES

- Fast curing
- Approved for applications on concrete in dry or wet conditions (ETAG 001 Parts 1 & 5 Option 7)
- Approved for masonry installations (ETAG 029)
- Suitable for use with solid and hollow bricks
- High load capacity
- Applied with standard guns
- No –sagging even on ceiling applications
- Creates waterproof joints

### APPLICATIONS

**Anchoring for all grades of:**

- Rebars / reinforcing steel
- Threaded rods
- Bolts and special fastening systems

**Suitable substrates:**

- Concrete
- Solid & hollow masonry
- Hard natural stone
- Solid rock
- Voided stone or rock

**Ideal for installations in:** Canopies, ventilation systems, railings, hand rails, masonry supports, signs, safety barriers, balcony fences, racking, machinery etc.

It is advisable to carry out a suitability test prior to any application in terms of the desired bonding strength, and for the prevention of surface staining due to the wide variety of possible substrates, in terms of strength, composition and porosity.

### INSTRUCTIONS FOR USE

1. Unscrew and remove the cap
2. Cut the film and screw on the static mixer
3. Place the cartridge into the gun
4. Drill hole with an electric drill to the diameter and depth required according to anchor size.
5. Clean the drill hole thoroughly with a round brush with diameter larger than the diameter of the drill hole.
6. Clean hole and remove dust with a blow pump or by compressed air
7. **Extrude until both parts come out uniformly. Do not use non uniform material.** Clean the cartridge opening with a cloth.
8. Inject the adhesive into the hole, starting from the bottom and slowly drawing back the static mixer. Avoid entrapping air.
9. Fill hole to approximately  $\frac{1}{2}$  -  $\frac{3}{4}$  full.
10. Insert the clean threaded bar to the bottom of the hole using a back and forth twisting motion ensuring all the threads are thoroughly coated. Adjust to the correct position within the stated working time. Allow some adhesive to come out of the hole.

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**Caution:** the anchor must be placed within the working time (consult table). During the hardening time the anchor must not be moved or loaded.

For applications in hollow bricks, aerated concrete blocks and stones an internal threaded socket must be used.

When the work is interrupted the static mixer can remain on the cartridge after the gun pressure has been relieved. If the resin has hardened in the nozzle a new nozzle must be attached. Do not use after expiry date.

### CLEANING

Wash hands and skin thoroughly with warm soap water. Clean residues while still wet with nitro solvent. Cured material can only be removed with mechanical means.

### TECHNICAL CHARACTERISTICS

**Base:** Polyester resin

**Colour:** Part A: white, Part B: gray, end product A+B: light gray

**Consistency:** Paste

**Density:** 1,65 kg/Lt (A+B)

**Open time:** Consult table below

**Shrinkage - Expansion:** None

**Slip:** Negligible

**Application temperature:**

**Layer thickness:** 3mm max

**Final adhesion:** 30min - 14h Consult table below

**Temperature Resistance:** -40°C to +40°C (max long term temperature), -40°C to +80°C (max short term temperature),

### STORAGE

In a cool and dry place at temperatures between +5°C - +25°C

### SHELF LIFE

12 months in unopened packaging in the above mentioned storage conditions

### PACKAGING

Cartridges 300ml

PACKAGING	CODE	BARCODE
300ml	04226	5204094042266

### HEALTH AND SAFETY INFORMATION

#### Component A



H226 Flammable liquid and vapour. H412 Harmful to aquatic life with long lasting effects. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P273 Avoid release to the environment. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P302+P352 IF ON SKIN: Wash with plenty of water. P501 Dispose of contents/ container in accordance with national regulations.

#### Component B



H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H410 Very toxic to aquatic life with long lasting effects. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P501 Dispose of contents/ container in accordance with national regulations. P264 Wash contaminated skin thoroughly after handling. P337+P313 If eye irritation persists: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P391 Collect spillage. P411 Store at temperatures not exceeding 25°C/77°F. Contains BENZOYL PEROXIDE

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#### Working & Loading times

Temperature*	Working time	Loading time
≥ + 5° C	18 min	145 min
+5°C to +10°C	10 min	145 min
+10°C to +20°C	6 min	85 min
+20°C to +25°C	5 min	50 min
+25°C to +30°C	4 min	40 min
+30°C	4 min	35 min

\*Resin & base material temperature

#### Hole and anchor dimensions

	M8	M10	M12	M16	M20	M24
Anchor diameter (mm)						
Drill hole diameter (mm)	10	12	14	18	22	26
Diameter of cleaning brush (mm)	14	14	20	20	29	29
Depth of drill hole (mm)	64	80	96	128	160	192
Minimum edge distance (mm)	35	40	50	65	80	96
Minimum spacing (mm)	35	40	50	65	80	96
Depth of drill hole (mm)	96	120	144	192	240	288
Minimum edge distance (mm)	50	60	70	95	120	145
Minimum spacing (mm)	50	60	70	95	120	145

The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications, which are beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.



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