

E7

ANCHOR FIX

EPOXY HIGH PERFORMANCE CHEMICAL ANCHORING ADHESIVE

EPOXY

Anchor fix is an epoxy resin based, 3-part, high performance anchoring material. It is specifically designed for anchoring threaded rods and reinforcement bars in both cracked and uncracked dry or damp concrete. Suitable to use in hot and tropical climatic conditions.

USES

Anchor fix may only be used by experienced professionals. Anchoring material for fixing of non-expanding anchors in the following:

Structural work Rebar / steel reinforcement anchoring in new and refurbishment works

- ❑ Threaded rods
- ❑ Bolts and special fastening / fixing systems Metalwork, carpentry
- ❑ Handrails, balustrades and supports
- ❑ Railings
- ❑ Window and door frames Substrates
- ❑ Concrete (cracked and uncracked)
- ❑ Hollow and solid masonry
- ❑ Wood
- ❑ Natural and reconstituted stone
- ❑ Solid rock

ADVANTAGES

Long open time

- ❑ Can be used in damp concrete
- ❑ High load capacity
- ❑ ETA to ETAG 001 for anchoring in cracked concrete
- ❑ ETA to ETAG 001 for rebar connections
- ❑ Suitable for contact with drinking water
- ❑ Fire resistant
- ❑ Styrene-free
- ❑ Good adhesion to the substrate
- ❑ Shrinkage-free hardening
- ❑ Low wastage

PRODUCT INFORMATION

Composition	Epoxy, Hardener & Filler
Packaging	1 kg / 5 kg set
Appearance / Colour	Standard
Shelf Life	12 months from date of production
Storage Conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +10 °C and +25 °C. Always refer to packaging
Density	Part A: ~1.51 kg/l (at +25 °C) Part B: 1.09 kg/l Mixed Resin: 1.53 kg/l

TECHNICAL INFORMATION

Compressive Strength	up to 75 N/mm ² (28 d / +25 °C) (ASTM D695)
Flexural Strength	41 N/mm ² (28 d / +25 °C) (ASTM D790)
Tensile Strength	23 N/mm ² (failure in concrete) (ASTM D638)

APPLICATION INFORMATION

Curing Time	3hrs at temperature +30 °C
Sag Flow	No sag, including overhead

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APPLICATION INSTRUCTION

SUBSTRATE QUALITY / PRE-TREATMENT

Mortar and concrete must be at the required design strength. Substrate tensile / compressive strengths (concrete, masonry, natural stone) must be confirmed by testing. The anchor hole must always be clean, free from oil and grease etc. Loose particles must be removed from the holes. Threaded rods and rebar's must be cleaned thoroughly and free from dirt, oil, grease, corrosion products or any other substances and particles which could affect adhesion.

APPLICATION

1. Drill hole with an electric drill to the diameter and depth required. Drill hole diameter must be in accordance with anchor size
2. The drill hole must be cleaned with oil free compressed air using an air lance, pressure: 6 Bar (90 psi). Start from the bottom of the hole and clean minimum 2x until return air stream is free of dust
3. The drill hole must be thoroughly cleaned with a special steel brush (at least 2x). The diameter of the brush must be larger than the diameter of the drill hole
4. The drill hole must be cleaned again as stage 2
5. Pump gun at least 2x until both parts are extruded as a one consistent colour. Do not use this material. Release the gun pressure and clean the static mixer opening with a cloth
6. Inject the anchoring material into the drill hole, starting from the bottom and slowly pull out the static mixer while extruding the resin into the hole. Avoid trapping air. For deep holes use extension tubing
7. Insert the anchor with a rotary motion into the filled drill hole within the anchoring material open time. Some of the anchoring material must flow out of the hole
8. During the resin hardening time the anchor must not be moved or loaded

CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use. Hardened / cured material can only be removed mechanically.

BASIS OF PRODUCT DATA

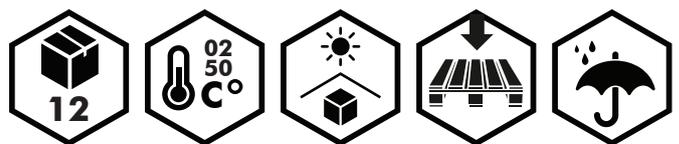
All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

HEALTH AND SAFETY INFORMATION

For information and advice on the safe handling storage and disposal of chemical products, users shall refer to the most recent MSDS containing all the details.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application.



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