

TechnoFix™ SE

Epoxy Injectable Anchoring Adhesive

TECHNOPOL

مقاوم سازی تکنوپل

Ref: TechnoFix™ SE | TDS-EN

PRODUCT DESCRIPTION

TechnoFix™ SE is a two-component (resin and hardener) epoxy-based anchor which are combined and dispensed through the attached mixing nozzle. TechnoFix™ SE is qualified to bond threaded rod and rebar into drilled holes in an assortment of base materials for both structural and non-structural applications.



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Structures



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TECHNICAL DATA

	Unit	TechnoFix™ SE
Compressive Strength (7 days)	MPa	>90
Bond Strength (7 days)	MPa	16
Substrate temperature	°C	+5 to +40
Ambient temperature	°C	+5 to +40

PHYSICAL PROPERTIES

Color	Gray	
Chemical Base	Epoxy Resin	
Mixing Ratio	by volume	2:1
Volume solid	100%	
Density	gr/cm ³	1.4

ADVANTAGES

- Pre-cured and no onsite impregnation product.
- Easy hole-cleaning procedure — no power-brushing required
- Qualified to securely anchor threaded rod and rebar in an assortment of base materials (concrete & masonry) for both structural and non-structural applications.
- Suitable for use in damp or wet anchor sites.

TYPICAL USES

- Threaded rod anchoring and rebar doweling into concrete, masonry and URM (red brick)
- Pick-proof sealant around doors, windows and fixtures
- Paste-over for crack injection preparation
- Bonding hardened concrete to hardened concrete

PACKAGING

Packaging / By Weight:

Component A = 10 kg - Component B = 5 kg

Component A = 20 kg - Component B = 10 kg

INSTALLATION PROCEDURE

Drilling and Cleaning

- Using a rotary hammer drill and a bit which is the appropriate size for the anchor diameter to be installed, drill the hole to the specified embedment depth.
- Once the hole is drilled it must be cleaned. All dirt, oil, debris, wax, grease or dust must be removed. This can be done by using a two-step method of blowing out the hole followed by the use of a wire brush to ensure the hole is cleared of all debris.

MIXING

Products These products consist of two parts (resin /hardener). Mix thoroughly by weight or volume in the proportions specified on the product label until uniform in color and consistency. Mix no more material than can be applied within the work time period. Available work time, temperature and complexity of the application will



determine how much material should be mixed at one time

INSTALATION

Once the hole has been properly prepared, insert the epoxy into the proper dispensing tool.

Begin filling the hole from the bottom with the epoxy until it is about 2/3 of the way full. Begin to slowly insert your threaded rod or rebar into the hole, making sure to turn it to embed it into the epoxy.

Low Allow the adhesive anchor to cure to the specified full curing time prior to applying any load.

Clean up any extra epoxy that may have come out of the hole and the process is complete.

STORAGE

Storage: Store in a cold and dark place, storage temperature: from + 5 ° C up to + 35 ° C.

Shelf Life: 18 months

HANDLING

Before using this product, refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions.

FAIRST AID

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water; contact physician immediately. For respiratory problems, remove to fresh air. Wash clothing before reuse.

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