

## PRODUCT INFORMATION

### SPECIFICATIONS

**ANCHORFIX 310** is complied with ASTM C 881, BS EN 12004, ASTM C900, ES 4118.

### PACKAGING

**ANCHORFIX 310** is packaged 1 / 5 kg Kits

### COVERAGE

Rate of uses(theoretically) 2 kg/m<sup>2</sup> /mm thickness

### SHELF LIFE

24 months if stored in original unopened packs.

### STORAGE

**ANCHORFIX 310** should be stored in clean ground over plastic or wooden pallets out from direct sun at temperature between +5 °C to +35 °C

## DESCRIPTION

**ANCHORFIX 310** is a thixotropic, two components solvent free, epoxy adhesive and repairing mortar based on epoxy resins poly amine cured and carefully selected fillers.

**ANCHORFIX 310** is a non shrinkage, high bond strength with excellent mechanical resistance and various chemicals attack.

## TYPICAL APPLICATIONS

**ANCHORFIX 310** is used as a structural repairing mortar and adhesive such:

- Anchorage of bolts and steel bars into concrete elements
- Foundation bolts
- Railway tracks
- Grouting under machine plates and steel structures
- Repair and filling cracks, voids and cavities in concrete elements
- Filling joints of anti chemical tiles
- Adhesive mortar for water proofing systems and under water applications
- Hard stones, masonry, GRC, marble and bricks
- General adhesive for metals, steel, wood, glass

## FEATURES

- Thixo-tropic paste
- Non shrinkage
- Non-sag in vertical and overhead applications
- Rapid strength gains
- High bond strength and durability
- Excellent vibration and mechanical resistance
- Good chemical resistance
- Can be applied under water facilities
- Impermeable to water, vapours, gases
- Heat resistant up to 120 °C

## TECHNICAL PROPERTIES

<b>FORM</b>	Epoxy	
<b>APPEARANCE</b>	grey and white	
<b>DENSITY</b>	1.80 ± 0.05 kg/l	
<b>MIXING RATIO</b>	2A : 1B by weight	
<b>POT LIFE</b>	30-45 minutes	depending on the atmosphere temperature
<b>INITIAL CURING</b>	60 minutes	at 25 °C
<b>FULL CURE</b>	7 days	at 25 °C
<b>SHORE D</b>	80	after 7 days cured
<b>COMPRESSIVE STRENGTH</b>	> 70 N/mm <sup>2</sup>	after 7 days cured
<b>TENSILE STRENGTH</b>	20 N/mm <sup>2</sup>	after 7 days cured
<b>BOND STRENGTH</b>	4-5 N/mm <sup>2</sup>	to concrete
	15-20 N/mm <sup>2</sup>	to steel
<b>CHEMICAL RESISTANCE</b>	resist oils, fuels, vapours, gases, acids and alkalis	
<b>HEAT RESISTANCE</b>	up to 120 °C	

## INSTRUCTION FOR USE

### Surface preparation:

- All surfaces must be sound, dry, clean and free from oils, greases and other contaminations.
- Concrete must be at least 3-6 weeks old.
- Remove any loose particles, sharp edges and nips using wire brush or sand blasted.

### Mixing:

- Place component B into component A and mix mechanically using a slow speed electric drill with 300 rpm till homogenous consistency obtained.
- Let out the mixture for about 2 minutes to avoid air bubbles

### Application

- Mark the places to install rebar, drill a hole with diameter larger 4 mm of bar diameter and depth with minimum 20 cm. Clean the hole using compressed air to avoid and loose particles.
- Filling the drilled hole by mixed mortar using a suitable injector.
- Put the rebar required to be fixed carefully and twist it to guarantee a strong adhesion and leave it to the final hardness.
- For applying an adhesive film, apply the mixed mortar on surface using a trowel.



## CLEAN UP

Clean all tools and application equipment with suitable solvent immediately

## PRECAUTIONS

- Mixed epoxy resins will develop temperature during their curing period. This could result in heat generation and possible smoking if the material is unused and kept in bulk.
- Care should be taken to use all mixed materials within the stated pot life or provide a well-ventilated place away from other materials until any exothermic reaction has taken place and the product can be disposed of properly.
- In the case of damp surfaces use heat gun to expel moisture.
- In the case of necessity to work with a different batch, apply one package and the color is checked before working with the rest of the quantity.

## TECHNICAL SUPPORT

For any technical support, please consult **VYCON** office or visit our website <http://www.vycon-eg.com>

## HEALTH AND SAFETY

Take precautions to avoid inhalation of spray mist and contact with skin and eyes. wear suitable protective clothing gloves, eye protection. if skin comes in contact it should be washed with fresh water and soap. eyes contact should be cautiously washed with fresh water. the product non toxic and non hazardous according to health and safety codes



**WARRANTY:** VYCON CONSTRUCTION CHEMICALS warrants that; (1) its products will perform substantially in accordance with the accompanying written materials for a period 1 year from the date or receipt. (2) The product will be free from defects in materials and workmanship under normal use for 1 year. In case of any product fails to conform to this warranty, **VYCON** will replace the product with no cost to the client. VYCON doesn't authorize anyone to make any written statement which may change the installation information or instructions of the product data. The wrong installation of the product which fails to conform to the instructions shall void the warranty.