

**Repair, Reinforcement and Restoration /
Epoxy Based Repair, Renovation and Reinforcement Products****REPOX® 340**

Polyester Chemical Anchoring Adhesive

DESCRIPTION

Multi-purpose, **polyester resin** based, double component chemical anchoring adhesive in cartridge. Cures fast and has high strength.

APPLICATION AREAS

- Indoor and outdoor
- Mounting machines on vertical and horizontal surfaces.
- Fixing the irons
- Reinforcing the buildings,
- Mounting of radiators and pipes
- Mounting of awning, shutter systems, canopy and signboards,
- Mounting of billboards and lighting systems,
- Fixing of bolts, large size screws, studs, satellite antennas, banisters and similar materials to the concrete or stone surfaces.

TECHNICAL PROPERTIES

Mixture Density	1.57 ± 0.10 g/cm ³
Application Temperature	Between +5°C and 30°C
Compressive Strength	83 N/mm ² (TS EN 12190)
Flexural Strength	30 N/mm ² (TS EN ISO 178)
Modulus of Elasticity	4100 N/mm ² (TS EN ISO 178)
Working Time	5 - 10 minutes (23°C, 50% humidity)
Curing Time	45 minutes (23°C, 50% humidity)
Complete Curing Time	24 hours (20°C)
Service Temperature	-40°C / +80°C

ADVANTAGES

- Economical
- Cures fast and has high strength.
- Can be applied easily on concrete, solid and hollow bricks, natural stones, marble, granite and rocks.
- Can be applied on vertical and horizontal surfaces.
- Thixotropic, does not sag.
- Resistant to heat up to +80°C.
- Resistant to most of the chemicals.

CONSUMPTION:

Varies depending on the volume of the application area.

PACKAGING:

345 ml cartridges

APPLICATION

PREPARATION OF THE SURFACE

- The surface must be cured.
- The surface must be free of weakly adhered parts, clear of materials which prevent bonding, such as dust, oil, paint, curing agents, detergents and mold release oils and dry.
- Safety factors should be taken into consideration according to the structure and hardness of the floor, as the stress values vary when applying to surfaces such as porous structural elements and bricks.
- For best results, the distance between the anchors should be at least 2 times their depth and the distance from the edges should be at least 1.25 times the depth of the anchors.
- Use drill bits at least 4-5 mm larger than the reinforcement diameter of anchorage.
- Drill holes suitable for the diameter and depth of the dowel, if possible by roughing them.
- Clean dust, dirt, concrete particles remaining in the hole with a brush or air compressor. Cover the hole with a sponge or piece of paper to prevent dust and dirt from entering until the application time and the opening of the next hole.
- Anchor rods must be clean, free from oil and rust.

MIXTURE

- REPOX 340 is packaged in appropriate quantities as two components.
- Open the cartridge cover. Place the product in the special cartridge gun and attach the mixer tip. Spray on a cardboard until it gets a homogeneous and light gray color (10 - 15 cm), do not use this part.

APPLICATION

- Fill 2/3 of the hole with homogeneously mixed product, starting from the bottom of the hole, without air being drawn into it.
- Use transparent extension tube in deep holes if necessary.
- Rotate anchor rods slowly into the hole and place them so that their ribs are plastered with the product. Some REPOX 340 should overflow.
- Place the anchor rods within the open waiting period of the product.
- Throw away the mixer tip after use. If there is any material left, close the cartridge cover for future use.

CAUTION

- Do not use the product coming first from the gun.
- Do not apply on wet surfaces.
- Material to be fixed can be moved within the working time of the product.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours, or in areas open to direct sun and wind.
- Do not touch for at least 24 hours after the application and prevent water contact.
- Consume the product within 1 month after opening the package.

SHELF LIFE

Expires in 12 months. Store unopened packages in cool, ventilated, dry environments, between 5°C and 25°C. Avoid exposition to direct sunlight. Keep against freezing.

HEALTH AND SAFETY

As with all chemical products, contact with food, skin, eyes and mouth should be avoided during usage and storing. In case of contact, rinse with water. If swallowed by accident, consult a doctor. During the application, work wears, protective gloves and goggles should be used according to the work place health regulations. Do not bring food or beverages in application areas. Do not approach with fire. Ventilate the application areas. Keep out of reach of children.



Technical Data Sheet (TDS)

Form No: 5.01 TDS Repox 340
Rev: 03 – 08/2022

Date
01 August 2022

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The application instructions and technical values given for the products have been obtained in accordance with our tests and experiences in accordance with international standards at $23\pm 2^{\circ}\text{C}$ temperature and $50\pm 5\%$ relative humidity conditions. These values may vary depending on ambient conditions. High temperatures shorten the times, low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the application and purpose. FIXA Yapı Chemicals San. Trade Ltd. Sti. is not responsible. This Technical Data Sheet remains valid until the next revision is published. FIXA reserves the right to change the values specified in this Technical Data Sheet, provided that the new version is published. It is the user's responsibility to check that the document is up-to-date. Please contact our sales department for more information.