

Teknobar G

Glass Fiber Rod



Product Description Epoxy impregnated, glass fiber rod, cured in unidirectional form.

Areas of Usage

- In slabs, bridges where the carrying capacity is to be increased,
- With the column strengthened,
- In the sagged upholstery,
- On beams and balconies,
- In bridges with load increments,
- If there is a lack of facilities,
- It is used in case of cutting of floor and damage of the building elements

Features and Benefits

- It is very light, it does not increase the section if it is too thin.
- Very high strength.
- The modulus of elasticity is too high.
- The chemical resistance is excellent.
- Its application is easy and fast, few workmanship mistakes.
- It has excellent fatigue strength.

Application Instructions

Surface Quality: Concrete should be strong and have sufficient strength.
Surface Preparation: Floor must be cleaned, oil, dirt, dust, water, moisture should not remain. Weak concrete parts should be repaired and restored with high strength repair mortar.
Application Instructions: TEKNOBOND 400 is mixed proportionally. It is applied as a thin layer to the concrete and Teknobar to be bonded to the bar. The bar is glued by cleaning dust, oil and dirt. The material works only in the direction of the fiber length. No liability will be accepted for faults that occur during the application.

Application Notes / Restrictions

- It is an easy to apply material. The tin plate or spiral can be cut to the desired size. Static
- It is recommended to use it after the project is done.
- The material only works in the fiber length direction. There is no resistance side by side.
- The product may irritate the skin. Work clothes, protective gloves, masks and glasses must be used. Hand washing cream can be applied before starting work. In case of grout contact with eyes, eyes should be washed immediately with warm water and consult a doctor.
- Crystallization can be observed in the product if it remains long below 0°C. If the crystals are dissolved by bringing the product back to room temperature, it can be used without any problems.
- Do not add any foreign material into the product.
- Before the application, the design of the reinforcement project must be done by a civil engineer. It must be projected and held accountable.
- The application should be made by experienced and competent persons.

Technical Data

General Information	
Color	Off-White
Package	Desired dimension
Shelf Life	Unlimited in Dry Storage Conditions
Radius	12 mm - 16 mm - 20 mm - 25 mm - 28 mm
Height	2 and 6 m
Flash Point	180°C
Tensile Strength	> 1,600 MPa
Modulus of Elasticity	> 53,000 MPa
Elongation at Break	3%

Technical data are approximate values obtained from the laboratory study of Tekno Construction Chemicals for finished products obtained at +20°C air temperature and 50% relative air humidity.