

Teknobond 300 Tix

Epoxy Based Adhesive and Lamination Resin



Product Description

Two component, solvent free, thixotropic, epoxy based saturating resin and adhesive. It is used for bonding TEKNOWRAP 300 to the concrete surface.

Areas of Usage

- When applying TEKNOWRAP fibers by dry application method,
- As a primer for wet application system,

Features and Benefits

- Easy to mix, easy to apply with trowel and saturating rollers.
- It is for manual saturation.
- Mechanical strength is high.
- It is applied on vertical and overhead surfaces.
- It provides good adhesion to many surfaces.
- It has high mechanical properties.
- There is no need to apply a separate primer to the bottom.
- Solvent free.

Application Instructions

Surface Quality: The surface of the application should be free from all kinds of dust, dirt, weak and volatile particles, cement grout residues, oil and dirt and be dry. Concrete bottom surface should be clean, strong and have sufficient compressive strength (at least 25 N/mm²), its pull-off strength should be at least 1.5 N/mm². Concrete should be strong and have sufficient strength.

Surface Preparation: The application surface should be cleaned using methods such as applying compressed air to maintain maximum adhesion strength. Weak concrete parts should be repaired and restored with high strength repair mortar. The plaster on the construction element must be removed, the surface must be cleaned, and necessary repairs should be made.

Mixing: After component B has been added to component A, mix it for 2-3 minutes with a low speed, electric stirrer (up to 400 rpm) until a homogeneous color is obtained.

Application Method / Equipment: TEKNOWRAP 300 is cut and made ready according to the application. Prepared TEKNOBOND 300 TIX mixture is put into concrete with a spatula or roller. It is then brought onto the TEKNOWRAP 300 to ensure that the epoxy is adhered to the carbon by hand. In adhesion process, the underlying epoxy is ensured to come out with a slight knurled roller. This process is done in such a way that the entire surface is homogeneously exposed to the epoxy top surface. If the epoxy is insufficient, the Teknobond 300 TIX is again filled and the carbon fibers are saturated with epoxy.

Carbon fibers do not burn but epoxy can ignite after a certain temperature. Because of this reason, very thin epoxy is applied on the carbon plate, then the sand is spread in dry condition and plaster is applied on it. Spreading sand provides adherence between carbon fiber and plaster.

Application Notes / Restrictions

- In case of eye contact, rinse with plenty of water for about 15 minutes and immediately contact a physician.
- Keep away from foodstuffs and children.
- Parts contacted with skin and hand must be washed with water and soap. In case of contact with eyes, consult a doctor.

- Immediately after application, before hardened, the equipment should be cleaned with TEKNO Thinner. The hardened epoxy mortar can only be mechanically cleaned.

Technical Data

General Information	
Color (Resin and Hardener Mixture)	Off-White
Mixture Density (A + B)	1.10 ± 0.03 kg/lt
Shelf Life	12 months in unopened original packaging
Package	5 kg set
Application Information	
Consumption	1-1,5 kg/m ² for 300 gr/m ²
Applicable Ground Temperature	(+5°C) - (+35°C)
Mixture Ratio (Weight)	3,60 units A: 1,40 units B
Pot Life	~30 minutes
Performance Information	
Concrete Adhesion	≥ 4.0 N/mm ² (Rupture from Concrete)
Bending Strength	≥ 40 N/mm ²
Pressure Resistance	≥ 80 N/mm ²
Tensile Strength	≥ 30.0 Mpa
Full Strength	7 days

Technical information is approximate value obtained from the Tekno Construction Chemicals Laboratory works and are valid for the performance of the finished product in 27 days, which are obtained at + 20°C temperature and 50% relative air humidity rate.

