

Teknobond 200

Two Component Epoxy Paste Adhesive



Product Description	Specially developed, epoxy based, thixotropic, two component adhesive for thin applications.
Areas of Usage	<ul style="list-style-type: none">• In bonding TEKNOPLATE (carbon plate) materials,• In thin type applications,• For all kinds of metal plates, granite materials to be adhered to glossy surfaces• In fine repairs.
Features and Benefits	<ul style="list-style-type: none">• Resistant to chemicals.• It provides excellent adhesion for concrete to wood and wood.• It has high mechanical strength.• Vertical applications do not sag.• Solvent-free
Application Instructions	<p>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.</p> <p>Surface Preparation: The application surface should be cleaned using methods such as applying compressed air to maintain maximum adhesion strength.</p> <p>TEKNOPLATE's adhesive part of the concrete is gently wiped with Tekno Thinner. The thinner on the plate should not have humidity, water.</p> <p>Mixing: TEKNOBOND 200 is supplied in ready-to-use sets according to mixture ratio. Before starting the mixing, make sure that the material temperatures are between +15 and +25°C. Component B must be completely poured into component A and component B must be free of any material. The mixture should be mixed with a mixer of approx. 300 rpm and a suitable mixer until a homogeneous mixture is obtained for at least 2-3 minutes, taking care not to leave any unmixed material on the sides and the edges of the package.</p> <p>Within 24 hours of TEKNOBOND 300 application, TEKNOBOND 200 application should be started. The material should be applied with a spatula to obtain a thickness of 1-1.5 mm on the smooth surfaces of pre-prepared carbon fiber polymer plates (TEKNOPLATE). At the same time, TEKNOBOND 200 should be applied with a spatula so that primed surfaces can be obtained with a thickness of 1 - 1.5 mm. The carbon fiber polymer plates with adhesive should then be fixed to their places so that they are slightly stretched in the direction of the fibers and do not swell. Then they should be pressed by roller on the carbon plates in the direction of the fibers so that there is no space between them and the concrete surface. 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 the carbon plate and the plaster to be built. When resistance against fire is requested, it should be covered with fire resistant special mortars (TEKNOREP 450) in appropriate thickness.</p>

Application Notes / Restrictions

- In order to complete the hardening of the material, do not use below the minimum allowable temperature.
- Low temperatures will slow the hardening, while higher temperatures will accelerate the hardening.
- Pot life will also vary depending on the temperatures.
- The product may irritate skin. Work clothes, protective gloves, masks and glasses must be used. Protective cream can be applied to hands 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 solvents or other foreign substances into the product.
- Before the application, the design of the reinforcement project must be done by a civil engineer. Projected and responsible.
- Ambient and surface temperature should not be below +5°C and above +35°C when applied.
- The application should be made by experienced and competent persons.
- Care must be taken to prepare enough material to use within the study period.
- The final check of the application should be performed by the universities / independent testing organizations / inspectors.
- 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	Grey (blend)
Mixture Density	~ 1,85 ± 0,05 kg/liter
Mixture Ratio	1 Unit Composition: 1 Unit B Composition (Weight)
Package	5 kg set
Application Information	
Consumption	1 m ² 3 - 4 kg for plate bonding
Shelf Life	12 months in unopened original packaging
Pot Life	~ 30 minutes (20°C)
Cleaning Time	~ 45 minutes 20°C)
Recoating Interval	2-7 days
Full Strength	7 days
Performance Information	
Adhesion (steel and concrete)	> 4 N/mm ²
Tensile Strength (TS EN 196-1)	> 25 N/mm ²
Pressure Resistance (TS EN 196-1)	> 90 N/mm ²

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.

