

# JTB – Carbon Fiber Impregnation Resin

## 碳纤维浸渍胶



# 产 品 说 明 书

Product  
Manual

### 产品简介

金砵宝碳纤维浸渍胶是为碳纤维布加固专用双组分环氧胶，配比精准、渗透力强、粘结牢固，可大幅提升混凝土、钢结构的承载力、抗裂性与耐久性。

### Product

### introduction

JTB Carbon Fiber Impregnation Resin is a two-component epoxy adhesive specially designed for reinforcing carbon fiber fabric. It has precise ratio, strong penetration ability and strong adhesion, which can significantly enhance the bearing capacity, crack resistance and durability of concrete and steel structures.

### 产品特点

### Product

### features

- 高渗透性
- 超强粘结力
- 优异力学性能
- 稳定耐用
- 施工便捷
- 安全环保
- High penetration
- Ultra-strong bonding
- Excellent mechanical performance
- Stable and durable
- Easy application
- Safe and environmentally friendly

### 适用范围

### Scope of

### application

- 混凝土结构加固：梁、板、柱、墙等构件的抗弯、抗剪、抗压加固，以及裂缝修补后的补强。
- 钢结构加固：钢结构表面防腐、粘结碳纤维布增强，或用于钢结构与混凝土的粘结复合加固。
- 其他基材加固：石材、木材等结构的加固补强，以及各类构件的界面粘结处理。
- Concrete structure strengthening: flexural, shear, and compressive reinforcement of beams, slabs, columns, walls, and crack-repaired areas;

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- 适用范围**
- Steel structure reinforcement: corrosion protection, bonding with carbon fiber fabrics, or composite strengthening with concrete;
- Scope of application**
- Other substrate reinforcement: strengthening of stone, timber, and other structures; interface bonding of various components.

- 施工工艺**
- 清理打磨待加固基材表面，修补裂缝并确保干燥。
  - 在基材表面均匀涂刷 0.3-0.5mm 的碳纤维浸渍胶，铺贴碳纤维布并压实排出气泡。
  - 第一层胶初步固化后，在碳纤维布表面再涂 0.2-0.3mm 碳纤维浸渍胶完全包裹纤维。
  - 常温 25℃ 养护 24 小时达基本强度，72 小时达设计强度，低温环境需采取保温措施。
- Construction technology**
- Clean and sand the surface of the base material to be reinforced, repair cracks and ensure it is dry.
  - Apply 0.3-0.5mm Carbon Fiber Impregnation Resin evenly on the base material surface, lay the carbon fiber fabric and press to remove air bubbles.
  - After the first layer of glue is preliminarily cured, apply another 0.2-0.3mm Carbon Fiber Impregnation Resin on the surface of the carbon fiber fabric to completely cover the fibers.
  - Cure at room temperature (25°C) for 24 hours to achieve the basic strength, and 72 hours to reach the design strength. In low-temperature environments, thermal insulation measures should be taken.



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## 碳纤维浸渍胶

### 包装与储存

### Packaging and storage

- **包装规格:** 可根据客户需求定制。
- **储存条件:** 密封存放于阴凉、干燥、通风处, 避免阳光直晒, 远离火种和热源。
- **保质期限:** 未开封产品保质期 12 个月, 开封后请尽快使用完毕, 未用完的物料需密封保存。
- **Packaging Specifications:** The products are packaged in iron drums or plastic drums. The common specifications are 50kg per drum and 20kg per drum (other specifications can be provided according to customer requirements).
- **Storage Conditions:** Store in a sealed manner in a cool, dry, and well-ventilated place, avoiding direct sunlight and keeping away from fire sources and heat sources.
- **Shelf Life:** Unopened products have a shelf life of 12 months. After opening, please use up the product as soon as possible. Unused materials need to be stored in a sealed manner.

### 安全规范

### Safety specification

本产品含有化工成份, 对眼睛及皮肤有刺激, 因此请您在施工时穿戴必要的防护工具。如不慎溅入眼睛, 请立即用大量清水清洗, 并及时就医。

This product contains chemical components and can irritate the eyes and skin. Therefore, please wear necessary protective equipment during construction. If it accidentally splashes into your eyes, rinse immediately with plenty of water and seek medical attention promptly.

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