

JTB – Polymer Strengthening Mortar

高强聚合物加固砂浆



产 品 说 明 书

Product Manual

产品简介

Product

introduction

金砵宝高强聚合物水泥加固砂浆强度高、抹灰操作性好、耐腐蚀、耐老化性能优良。且力学性质和混凝土相近，耐冻融及耐久性很好。

JTB Polymer Strengthening Mortar features high strength, good plastering workability, excellent corrosion resistance and aging resistance. Moreover, its mechanical properties are similar to those of concrete, and it has excellent freeze-thaw resistance and durability.

产品特点

Product

features

- 抹灰操作性好
- 强度高
- 耐高温、耐腐蚀
- 耐老化、耐久性
- 绿色环保



- Good plastering workability
- High strength

- High temperature & corrosion resistance
- Aging resistance & durability
- Eco-friendly

适用范围

Scope of

application

- 混凝土构筑物加固抹灰，不锈钢绞线网加固；
- 混凝土构筑物表面的蜂窝、漏洞露筋等缺陷的修补处理。
- Plastering for concrete structure reinforcement; stainless steel strand mesh strengthening;
- •Repair of honeycombs, voids, and exposed rebar on concrete surfaces.

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施工工艺

Construction technology

- **清理基层:** 清除混凝土表面的乳皮、松动部分,使其露出坚实基层,并清除表面沙粒、灰尘、油脂等杂物,充分湿润基层。
- **配比和搅拌:** 按照粉料重量的 18%-20%左右计算用水量,使用低转速搅拌设备搅拌 3~5min,静置 2~3min 后再次搅拌即可,每次配料宜在 30 分钟到 1 小时内用完。
- **施工:** 根据工程施工要求,用抹刀将配制好的浆料涂抹在被修补部位,涂抹时要边压实边抹光,完工 3~14 天后即可投入使用。
- **参考用量:** 1600kg/m³
- **养护:** 应覆盖塑料布进行潮湿养护,持续 7 天时间。
- **Clean the base layer:** Remove the milk skin and loose parts on the concrete surface to expose the solid base layer, and remove sand particles, dust, grease and other debris on the surface. Fully moisten the base layer.
- **Proportioning and stirring:** Calculate the water consumption at approximately 18% to 20% of the powder weight. Use a low-speed stirring device to stir for 3 to 5 minutes, let it stand for 2 to 3 minutes, and then stir again. Each batch of ingredients should be used up within 30 minutes to 1 hour.
- **Construction:** According to the construction requirements of the project, use a trowel to apply the prepared slurry to the area to be repaired. During application, press it firmly while smoothing it out. It can be put into use 3 to 14 days after completion.
- **Reference dosage:** 1600kg/m³
- **Maintenance:** It should be covered with plastic sheeting for moist maintenance for 7 days.

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注意事项

Precautions

金砵宝高强聚合物水泥加固砂浆随拌随用，凝固后不可再次加水搅拌使用；在操作过程中，要确保自己的安全，使用个人防护装备，避免材料溅眼睛或皮肤上；加固完成后，要进行适当的养护处理，如覆盖塑料薄膜或草席，保持墙面的湿润，以便于水泥砂浆的硬化。

JTB Polymer Strengthening Mortar is ready-to-use upon mixing. Once it sets, it cannot be re-mixed with water for use. During the operation, ensure your safety by wearing personal protective equipment to avoid splashing the material onto your eyes or skin. After the reinforcement is completed, perform appropriate maintenance treatment, such as covering with plastic film or straw mats, to keep the wall moist so that the cement mortar can harden properly.

包装与储存

Packaging

and storage

包装：牛皮纸塑膜袋，包装规格为 25 公斤±1 公斤/袋。

储存：储存在干燥通风处，避免日晒，注意防潮、防水，储存期 6 个月。可按一般货物运输。

Packaging: Kraft paper-plastic film bags, with a packaging specification of 25 kilograms ± 1 kilogram per bag.

Storage: Store in a dry and well-ventilated place, away from direct sunlight. Pay attention to moisture and water prevention. The storage period is 6 months. It can be transported as general cargo.

安全规范

Safety

specification

施工时应佩戴好口罩、护目镜和手套；如果接触到皮肤或眼睛，立即用大量清水冲洗，情况特别严重时应及时就医。

When working, masks, goggles and gloves should be worn properly.

If it comes into contact with the skin or eyes, rinse immediately with plenty of water. Seek medical attention promptly if the situation is particularly serious.

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	检测项目 Inspection items		性能指标 Performance indicators	检测结果 Test result
	主要 技术指标 Main technical indicators	抗折强度 Flexural strength		6.0
抗压强度 (MPa) Compressive strength (MPa)		28d	>20	42.5
中性化抵抗性 (mm) 28d Neutralization resistance (mm) 28d		<5.0	2.0	
粘结强度 (MPa) Bonding strength (MPa)		常温常态 28d At normal temperature for 28 days	>1.0	1.8
		冷热反复 28d Alternate between hot and cold for 28 days	>1.0	1.5
透水量 (g) Water permeability (g)		<20	18	
24h 吸水量 (g/m ³) 24-hour water absorption capacity (g/m ³)		<1000	25	
吸水系数 (kg/m ² · h ^{0.5}) Water absorption coefficient (kg/m ² · h ^{0.5})		<0.5	0.4	



产品施工视频

Product construction video



企业公众号

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Service Hotline: 400-772-5558