

JTB – Acrylic Emulsion Mortar

聚合物丙乳砂浆



产 品 说 明 书

Product Manual

产品简介

Product

introduction

金砵宝聚合物丙乳砂浆是一种高分子聚合物乳液水泥砂浆，由乳液和无机粉料双组分组成，是一种既具有高分子材料的粘接性，又具有无机材料耐久性的新型混凝土复合材料。

JTB Acrylic Emulsion Mortar is a kind of high-molecular polymer emulsion cement mortar, composed of two components: emulsion and inorganic powder. It is a new type of concrete composite material that not only has the bonding property of high-molecular materials but also the durability of inorganic materials.

产品特点

Product

features

- 高渗透性、抗裂性、耐老化性
- 抗压强度高，固化迅速，粘接性能好
- 高耐碱性、耐紫外线
- 操作简便，可潮湿基层施工
- 绿色环保



- High Penetration & Crack Resistance
- High Compressive Strength & Fast Curing
- Excellent Alkali & UV Resistance
- Easy Application on Damp Surfaces
- Eco-Friendly

适用范围

Scope of

application

- 混凝土建筑物的缺陷修补以及补强与加固处理，混凝土构筑物表面的蜂窝、漏洞、漏筋等缺陷处理。
- 水下建筑物过流面的抗冲磨损，抗腐蚀与抗冻融分配保护与修补。

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适用范围

Scope of

application

- 化工厂、石油厂、工厂、码头等混凝土建筑或金属构件抗酸碱盐腐蚀的防护与修补。
- 公路、桥梁、机场跑道、电厂、隧道、矿井、车间等混凝土构筑物的修补及工程部位的抗磨损防护与修补等。
- 用于钢丝绳网片（钢绞线）施工。
- Repair and strengthening of concrete defects such as honeycombs, voids, and exposed reinforcement.
- Protection and repair of hydraulic structures against abrasion, corrosion, and freeze-thaw damage.
- Anti-corrosion protection and repair for concrete or steel structures in chemical plants, oil refineries, and ports.
- Repair and wear protection for concrete structures in highways, bridges, airports, power plants, tunnels, and mines.
- Application for steel wire mesh (prestressed steel strand) construction.

施工工艺

Construction technology

- **基面处理:** 将基面清理干净,找平;阴阳角尖锐的地方磨平,无起砂,空鼓等现象。用高压水枪冲洗并保持潮湿状态,但不得有积水。
- **界面处理剂涂刷:** 界面粘结时可预先涂刷金砼宝高强渗透性界面处理剂。
- **材料配制:** 按照乳液:粉料=1:4的比例称重,充分搅拌均匀,搅拌时间大约为3分钟。
- **施工:** 铺筑面积大时可用机械喷涂,分格施工。
- **养护:** 施工后的砂浆层须养护7天。
- **Base surface treatment:** Clean the base surface thoroughly and level it. The sharp areas at the corners should be ground smooth without any

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phenomena such as sanding or hollowing. Rinse with a high-pressure water gun and keep it moist, but there must be no standing water.

- **Application of interface treatment agent:** When bonding at the interface, the JTB Interface Bonding Agent can be pre-applied.
- **Material preparation:** Weigh the emulsion to powder in a ratio of 1:4, stir thoroughly and evenly. The stirring time is approximately 3 minutes.
- **Construction:** When the paving area is large, mechanical spraying can be used and the construction can be carried out in sections.
- **Curing:** The mortar layer after construction must be cured for 7 days.

包装与储存

Packaging and storage

金砵宝聚合物丙乳砂浆，砂浆采用复合牛皮纸袋包装，25kg/袋。丙乳砂浆乳液采用塑料桶包装，5公斤/桶（两种包装规格）。

自生产之日起有效贮存期为6个月。超出保质期后应复检合格方可使用。

应贮存在阴凉、干燥、通风的库房中，不可曝晒，不可雨淋，冬季应注意防冻。

The mortar is packed in composite kraft paper bags, 25kg per bag.

The emulsion is packed in plastic drums, 5 kilograms per drum (with two packaging specifications).

The valid storage period is 6 months from the date of production.

After the expiration date, it should be re-inspected and found qualified Before use. It should be stored in a cool, dry and well-ventilated warehouse.

It must not be exposed to direct sunlight or rain. In winter, precautions should be taken to prevent freezing.

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安全规范

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。

Safety

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

specification

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.

主要

技术指标

Main technical

indicators

检验项目 Inspection items	砂浆等级 Mortar grade		聚合物砂浆 Polymer mortar	试验方标准 Experimental formula standard
	I级 Level I	II级 Level II		
劈裂抗拉强度(MPa) Splitting tensile strength (MPa)	≥7.0	≥5.5	7.4	(GB50367-2006) 规范附录G Appendix G of the Standard (GB50367-2006)
正控粘结强度(MPa) Positive control bonding strength (MPa)	≥2.5且为混凝土内聚破坏 ≥2.5 and it is the cohesive failure of concrete		2.5	(GB50367-2006)规范附录F Appendix F of the Standard (GB50367- 2006)
抗折强度(MPa) Flexural strength (MPa)	≥12	≥10	12.5	(GB50367-2006) 规范附录H Appendix H of the Standard (GB50367-2006)
抗压强度(MPa) Compressive strength (MPa)	≥45	≥50	56.9	JGJ70
钢套筒粘结抗剪强度标准 (MPa) Standard for bonding shear strength of steel sleeves (MPa)	≥12	≥9	12.2	(GB50367-2006)规范附录J Appendix J of the Standard (GB50367- 2006)



产品施工视频

Product construction video



企业公众号

Enterprise Official Account

Service Hotline: 400-772-5558