

# JTB- Underwater Non-Dispersive Grout

## 水下抗分散灌浆料



# 产 品 说 明 书

## Product Manual

### 产品简介

金砵宝水下抗分散灌浆料，又称水下不分散特种灌浆料，是由水溶性高分子聚合物、表面活性物质等复合而成的粉末状灌浆料，具有很强的抗分散性和较好的流动性。

### Product introduction

JTB Underwater Non-Dispersive Grout, also known as underwater non-dispersing special grouting material, is a powder grouting material composed of water-soluble high-molecular polymers, surface active substances, etc. It has strong anti-dispersing property and good fluidity.

### 产品特点

- 优良的水中抗分散性
- 良好的流动性
- 不污染施工水域
- 自流平、自密实
- 抗渗抗腐蚀

### Product features

- Excellent anti-dispersion in water
- High flowability
- Non-polluting to water
- Self-leveling & self-compacting
- Waterproof & corrosion resistant



### 适用范围

- 沉井封底、围堰、沉箱、抛石灌浆、水下连续墙浇注、水下基础的找平、填充，RC板等水下大面积无施工缝工程；

### Scope of application

- 大口径灌注桩、码头、大坝，水库修补，排水口防水冲击补强底板、水下承台、海堤护岸、护坡，封桩堵漏以及普通混凝土较难施工的水下工程。

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### 适用范围

### Scope of

### application

- Underwater leveling & filling for caissons, cofferdams, box caissons, riprap, and RC slab.
- Large-diameter bored piles, docks, dams, reservoirs repair.
- Waterproofing & impact reinforcement for drainage slabs, underwater caps, seawalls, slopes.
- Pile sealing & leak plugging, underwater projects difficult for ordinary concrete.

### 施工工艺

### Construction technology

- **支模:** 灌浆部位应模板支护, 模板顶部要高出水面 20CM, 同时保证模板内的水为静态水。
- **配比搅拌:** 称取金砵宝水下抗分散灌浆料, 以及其重量 12% 的水, 充分搅拌均匀, 搅拌时间大约为 3 分钟。
- **灌浆:** 将搅拌均匀的金砵宝水下抗分散灌浆料灌入模板中, 并适当敲击模板, 在灌浆过程中模板内的水会随着灌浆料的灌入而不断地排出, 直至灌浆完毕, 使多余的水全部排出。
- **Formwork support:** The grouting area should be supported by formwork. The top of the formwork should be 20CM above the water surface, and at the same time, ensure that the water inside the formwork is static water.
- **Proportioning and stirring:** Weigh the JTB Underwater Non-Dispersive Grout and 12% of its weight in water, and thoroughly stir evenly. The stirring time is approximately 3 minutes.
- **Grouting:** Pour the well-mixed JTB Underwater Non-Dispersive Grout into the formwork and tap the formwork.

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**施工工艺**  
**Construction**  
**technology**

- appropriately. During the grouting process, the water inside the formwork will be continuously discharged as the grouting material is poured in until the grouting is completed, allowing all the excess water to be discharged.

**注意事项**  
**Precautions**

严禁使用电动振捣棒；  
严格按着水灰比列（12%-13%）。

The use of electric vibrators is strictly prohibited.  
Strictly follow the water-cement ratio (12%-13%).

**包装与贮存**  
**Packaging**  
**and storage**

牛皮纸编织袋,每袋 50kg;  
在运输和保存中应注意防潮,贮存期一般为 6 个月,不受潮可继续使用。

Kraft paper woven bags, 50kg per bag;  
During transportation and storage, moisture prevention should be noted.  
The storage period is generally six months. If it does not get damp, it can continue to be used.

**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. If the situation is particularly serious, do so promptly  
Seek medical attention.

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|  | 检测项目                               |                                    | 指标        | 结果     |
|--|------------------------------------|------------------------------------|-----------|--------|
|  | Inspection items                   |                                    | Indicator | Result |
| 主要<br>技术指标<br>Main technical<br>indicators | 泌水率                                |                                    | <0.5      | 0.45   |
|  | Bleeding rate (%)                  |                                    |           |        |
|  | 含气量                                |                                    | <4.5      | 3.6    |
|  | Gas content (%)                    |                                    |           |        |
|  | 坍落度经时变化量                           | 30min                              | <30       | 26     |
|  | The change in slump over time (mm) |                                    |           |        |
|  | 抗分散性                               | 悬浊物含量                              | <150      | 136    |
|  |                                    | Content of suspended solids (mg/L) |           |        |
|  | Anti-dispersion property           | pH 值                               | <12       | 10.1   |
|  |                                    | pH value                           |           |        |
| 凝结时间                                       | 初凝                                 | >5                                 | 6         |        |
|  | Initial condensation               |                                    |           |        |
| Content of suspended solids (h)            | 终凝                                 | <24                                | 21        |        |
|  | Final condensation                 |                                    |           |        |
| 水陆强度比                                      | 7d                                 | >60                                | 68.1      |        |
|  | 28d                                |                                    |           | >70    |
| Water-land strength ratio (%)              |                                    |                                    |           |        |



产品施工视频

Product construction video



企业公众号

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Service Hotline: 400-772-5558