

JTB-Prestressed Duct Grout

预应力孔道压浆料（剂）



产 品 说 明 书

Product Manual

金砵宝预应力孔道压浆料是一种专用于后张法预应力管（孔）压浆施工的产品，流动性好、强度高、不含对钢筋有害物质，技术指标符合执行标准：JTG/TF 50-2011。

产品简介

JTB Prestressed Duct Grout is a product specifically designed for the

Product

grouting construction of post-tensioned prestressed pipes (holes). It

introduction

features good fluidity, high strength, and no substances harmful to steel bars.

Its technical indicators comply with the execution standard:

JTG/TF 50-2011.

产品特点

- 流动性好，强度高
- 耐久性好、耐老化
- 饱满早强、微膨胀
- 粘结性好
- 施工方便

Product

features

- High flowability & compressive strength
- Excellent durability & aging resistance
- Rapid early strength, slight expansion
- Strong bonding
- Easy to apply



适用范围

- 适用于后张梁预应力管道充填注浆，地锚系统的锚固灌浆，连续壁头止漏灌浆，帷幕灌浆；

Scope of

application

- 适用于设备基础灌浆及梁柱接头，工程抢修和楼栓锚固；
- 适用于高强度钢预应力混凝土构件孔隙灌浆，道桥梁加固；
- 适用于楼房预制板，桥梁预装接头等加固工程。
- Grouting for post-tensioned beam ducts, ground anchor systems, diaphragm wall seepage stops, and curtain grouting.

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适用范围

Scope of

application

- Equipment foundation grouting, beam-column joints, emergency repairs, and floor anchor grouting.
- Void grouting for high-strength prestressed concrete elements; road & bridge strengthening.
- Reinforcement for precast floor slabs, bridge pre-installed joints, and other structural strengthening.

施工工艺

Construction

technology

- **清理:** 施工前, 用压力水冲洗孔道, 清除梁孔道内杂物和积水。
- **配比和搅拌:** 在金砵宝预应力孔道压浆料里, 按比例加入 28% 的水, 进行充分搅拌, 时间大约为 3 分钟。
- **施工:** 压浆前, 应首先开启压浆泵, 使浆液从压浆嘴排出少许, 以排除压浆管路中的空气、水和稀浆。压浆时, 遵循先下后上的压浆顺序, 同一管道压浆应连续进行, 一次完成, 从浆体搅拌到压入梁体的时间应小于 40min。
- **注意:** 压浆的充盈度应达到孔道另一端饱满且排气孔排出与规定流动度相同的水泥浆为止, 关闭出浆口后, 应保持一个不小于 0.5MPa 的稳压期, 该稳压期的保持时间宜为 3~5min。
- **Cleaning:** Before construction, flush the channels with pressurized water to remove debris and accumulated water from the beam channels.
- **Proportioning and mixing:** In the JTB Prestressed Duct Grout, add 28% water in proportion and stir thoroughly for approximately 3 minutes.
- **Construction:** Before grouting, the grouting pump should be started first to allow a small amount of slurry to be discharged from the grouting nozzle, so as to remove the air, water and thin slurry in the

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施工工艺

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- grouting pipeline. When grouting, follow the grouting sequence from bottom to top. Grouting for the same pipeline should be carried out continuously and completed at one time. The time from the stirring of the slurry to its injection into the beam body should be less than 40 minutes.
- **Note:** The filling degree of the grouting should reach the point where the other end of the channel is full and the cement slurry with the same flow rate as specified is discharged from the exhaust hole. After closing the slurry outlet, a pressure stabilization period of no less than 0.5MPa should be maintained, and the duration of this pressure stabilization period is preferably 3 to 5 minutes.

包装与储存

Packaging and storage

本产品为牛皮纸编织袋包装，净重 40 公斤±1 公斤/袋。

本品须贮存于干燥通风的室内，保质期 6 个月。

This product is packed in kraft paper woven bags, with a net weight of 40 kilograms ±1 kilogram per bag.

This product should be stored in a dry and well-ventilated indoor area and has a shelf life of 6 months.

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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	技术指标 Technical indicators		标准要求 Standard requirements
	主要 技术指标	流动度 Fluidity(s)	初始值 Initial value
30min			10~20
Main technical indicators	抗折强度 Flexural strength(MPa)	28d	≥10
	抗压强度 Compressive strength(MPa)	3d	≥20
7d		≥40	
28h		≥50	
	膨胀率 Expansion rate(%)	3h	0-2
		24h	0-3



产品施工视频

Product construction video



企业公众号

Enterprise Official Account

Service Hotline: 400-772-5558