

JTB – Wind Turbine Foundation Grout

风电基础灌浆料 C100



产 品 说 明 书

Product Manual

产品简介

金砵宝风电基础灌浆料 C100 以优质特种水泥为基材，采用多种无机、有机功能材料复合而成的灌浆料。性能指标满足大型设备基础安装的技术要求。

Product

JTB Wind Turbine Foundation Grout C100 is a grouting material composed of high-quality special cement as the base material and a variety of inorganic and organic functional materials.

introduction

The performance indicators meet the technical requirements for the installation of large-scale equipment foundations.

产品特点

Product

features

- 施工便捷
- 流动性好
- 早强、高强
- 微膨胀
- 不离析、不泌水



- Easy to pump
- High flowability
- Early & high strength
- Slight expansion
- Non-segregating & non-bleeding

适用范围

Scope of

application

- 风电等大型设备基础二次灌浆，地脚螺栓锚固灌浆；
- 受腐蚀的设备基础修补加固，风电专用灌浆料基础灌浆；
- 防爆抗震构筑物，大型重型机械基础安装加固。
- Secondary grouting for the foundations of large equipment such as wind power and anchor bolt anchoring grouting;
- Repair and reinforcement of corroded equipment foundations, grouting of foundations with special grouting materials for wind power;
- Explosion-proof and earthquake-resistant structures, installation and reinforcement of large and heavy machinery foundations.

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施工工艺

Construction technology

- **基层清理:** 对需灌浆的基面进行凿毛, 清除粉尘、油污和其它污垢等不利于粘接的物质; 灌浆前预湿基面; 用水将基面浸湿至饱和, 但施工时不得留有明水。
- **配比搅拌:** 按照水: 料=0.12: 1 的比例称取金砵宝风电基础灌浆料和水, 将水和粉料充分搅拌均匀, 推荐机械搅拌的方式, 每次拌料需要及时用完。
- **灌浆:** 在灌浆过程中, 从一侧或相邻两侧多点进行灌浆, 利于排气, 确保灌浆充实; 由于金砵宝风电基础灌浆料自流性好, 无需振捣即可填充全部间隙, 大大提高了施工效率。
- **养护:** 灌浆完毕后, 应立即喷洒养护剂或覆盖塑料薄膜, 并加盖草袋或岩棉被。表面见干时立即浇水, 养护期为 3-7 天。
- **Base cleaning:** Roughen the base surface that needs grouting to remove dust, oil stains and other dirt that are not conducive to bonding. Pre-wet the base surface before grouting; Wet the base surface with water until it is saturated, but no standing water should be left during construction.
- **Mixing ratio:** Weigh the JTB Wind Turbine Foundation Grout and water in a ratio of water to material = 0.12:1. Thoroughly mix the water and powder evenly. It is recommended to use mechanical mixing. Each mixed material should be used up promptly.
- **Grouting:** During the grouting process, grouting is carried out at multiple points from one side or adjacent sides to facilitate air release and ensure the grouting is full. Due to the excellent self-flowing property of JTB Wind Turbine Foundation Grout, all gaps can be filled without vibration, which greatly improves the construction efficiency.
- **Maintenance:** After grouting is completed, maintenance agent should be sprayed immediately or plastic film should be covered, and then covered with straw bags or rock wool quilts. Water immediately when the surface is dry. The curing period is 3 to 7 days.

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包装与储存

Packaging and storage

复合袋包装，每袋含量 25kg。

运输和储存过程注意防潮、防暴晒。

贮存期在符合上述条件下，贮存期为 6 个月，如超过贮存期经过检验合格后仍可使用。

Packed in composite bags, each bag contains 25kg.

During transportation and storage, take care to prevent moisture and direct sunlight. Under the above conditions, the storage period is 6 months. If it exceeds the storage period, it can only be used after passing the inspection.

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.

主要

技术指标

Main technical

indicators

检测项目		性能指标		
		I 型	II 型	III 型
凝结时间 (min)	初凝		≥30	
	终凝		≤180	
泌水率 (%)		0		
流动度 (mm)	初始	≥325		
	30min	≥240		
抗压强度 (MPa)	2h		≥12	
	8h		≥15	≥18.3
	24h		≥30	≥35
	28d	≥85		
	56d	不降低		
	90d	不降低		
抗折强度 (MPa)	24h	≥10	≥10.4	≥10
	28h	不降低	≥12.3	不降低
	56d	不降低	≥10	不降低
弹性模量 (GPa)	28d	≥30		
膨胀率 (%)	28d	0.02-0.1		

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Product
Manual

	Inspection items		Performance indicators		
			I 型	II 型	III 型
Setting time (min)	Initial setting		≥30		
	final setting		≤180		
Bleeding rate%		0			
Fluidity (mm)	Initial	≥325			
	30min	≥240			
Compressive strength (MPa)	2h	≥12			
	8h		≥15	≥18.3	
	24h		≥30	≥35	
	28d	≥85			
	56d	Not reduced			
	90d	Not reduced			
Flexural strength (MPa)	24h	≥10	≥10.4	≥10	
	28h	Not reduced	≥12.3	Not reduced	
	56d	Not reduced	≥10	Not reduced	
Elastic modulus (GPa)	28d	≥30			
Expansion rate (%)	28d	0.02-0.1			

主要

技术指标

Main technical

indicators



产品施工视频

Product construction video



企业公众号

Enterprise Official Account

Service Hotline: 400-772-5558