

JTB – Anti-Static Non-Sparking Mortar

防静电不发火砂浆



产 品 说 明 书

Product Manual

产品简介

Product

introduction

金砵宝防静电不发火砂浆是一种能经受冲击而不发生火花的功能性混凝土，当金属或坚硬石块等物体与该类混凝土发生摩擦冲击等机械作用时，均不发生红灼火花或火星，从而易燃物质不易引发火中爆炸危险。

JTB Anti-Static Non-Sparking Mortar is a functional concrete that can withstand impact without generating sparks. When metals or hard stones and other objects come into contact with this type of concrete through mechanical actions such as friction and impact, no red sparks or sparks will occur, thus making flammable substances less likely to cause an explosion in the fire.

产品特点

Product

features

- 增强混凝土地面的耐磨性和强度
- 地坪摩擦不产生火花
- 防静电效力持久
- 高耐磨、耐压、耐冲击
- 防潮耐腐蚀
- 施工方便、工期短



- Improves Concrete Floor Strength & Wear Resistance
- Non-Sparking Surface
- Long-Lasting Anti-Static Performance
- High Abrasion, Compression & Impact Resistance
- Moisture & Corrosion Resistance
- Easy Application & Short Construction Time

适用范围

Scope of

application

- 化工油库、燃气站、加油站等易燃易爆区域；
- 电子车间、纺织车间、印刷车间等容易产生静电的区域；

JTB – Anti-Static Non-Sparking Mortar

防静电不发火砂浆



产 品 说 明 书

Product Manual

适用范围

Scope of

application

- 轻工业厂房、机械摩擦车间、高压变电室等需要承受冲击和摩擦的场所；
- 仓库物流、易燃货物堆放区、实验室等存在火灾风险的场所。
- Flammable and explosive areas such as chemical depots, gas stations, and fuel storage facilities.
- Static-sensitive areas such as electronics, textile, and printing workshops.
- Industrial facilities subject to mechanical impact and friction
- Warehouses, logistics centers, flammable goods storage areas, and laboratories.

施工工艺

Construction

technology

- **清理基层:** 清除基层上的灰尘、油脂，以及疏松部位，并用清水冲洗，充分湿润基层，但不得有积水；
- **铺设导电管:** 在基层插入钢筋并砸实，将导电管固定拉紧在钢筋上，组成接地网；
- **配比和搅拌:** 按照水料比15%-18%配置材料，使用机械搅拌的方式，充分搅拌均匀；
- **施工:** 将搅拌好的金砵宝防静电不发火砂浆均匀铺设在基层上，用刮板抹平，确保表面平整，无空鼓、裂缝现象；
- **压实:** 启动圆盘机，将铺设好的水泥砂浆压实平整，确保其与基面紧密结合。初凝后，养护 7 天左右即可。
- **Clean the base layer:** Remove dust, grease and loose parts from the base layer, and rinse it with clean water to fully moisten the base layer, but there must be no standing water.
- **Laying conductive pipes:** Insert reinforcing bars into the base layer and compact them, then fix and tighten the conductive pipes onto the

JTB – Anti-Static Non-Sparking Mortar

防静电不发火砂浆



产 品 说 明 书

Product Manual

施工工艺

Construction technology

reinforcing bars to form a grounding grid.

- **Proportioning and stirring:** Prepare the materials at a water-to-material ratio of 15% to 18%, and use mechanical stirring to ensure thorough and uniform mixing.
- **Construction:** Evenly spread the well-mixed JTB Anti-Static Non-Sparking Mortar on the base layer, and smooth it out with a scraper to ensure a flat surface without hollowing or cracking.
- **Compaction:** Start the disc machine and compact and level the laid cement mortar to ensure a tight bond with the base surface. After the initial setting, it can be cured for about 7 days.

包装与储存

Packaging and storage

采用复合牛皮纸袋包装，25kg/袋；

保质期为 6 个月；

须贮存于干燥通风的室内，包装袋密闭，注意防潮、防冻。

Packed in composite kraft paper bags, 25kg per bag.

The shelf life is 6 months.

It should be stored in a dry and well-ventilated indoor area. The packaging bag should be sealed and precautions should be taken against moisture and freezing.

安全规范

Safety specification

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。

When working, wear necessary protective equipment. If it accidentally splashes into your eyes, rinse immediately with plenty of water and seek medical attention promptly.

JTB – Anti-Static Non-Sparking Mortar

防静电不发火砂浆



产 品 说 明 书

Product
Manual

主要
技术指标
Main technical
indicators

| 检验项目 Inspection items | 技术指标 Technical indicators | 检验结果 Inspection results |
|---|--|--|
| 点对点电阻 Point-to-point resistor | 1x10 ⁵ ~1x10 ¹⁰ Ω | 1.05x10 ⁷ |
| | | 1.43x10 ⁷ |
| | | 3.71x10 ⁷ |
| 体积电阻 Volume resistance | 1x10 ⁵ ~1x10 ⁹ Ω | 4.06x10 ⁷ |
| | | 3.39x10 ⁷ |
| | | 4.11x10 ⁷ |
| 不发火性能 Non-sparking performance | 在试验中无任何的瞬 时火花 There were no instantaneous sparks in the experiment | 在试验中无任何的瞬 时火花 There were no instantaneous sparks in the experiment |
| 抗压强度 (28d) Compressive strength (28d) | ≥45 | 49.6 |
| 抗折强度 (MPa) Flexural strength (MPa) | ≥12 | 14.2 |



企业公众号

Enterprise Official Account

Service Hotline: 400-772-5558