

Product Name

产品名称

Easy Clean Polymer Color Sand Grout
易擦洗型聚合物彩砂填缝剂

Description

描述

This product is a colored sand tile grout based on waterborne epoxy technology. Featuring a unique formula, it can be simply cleaned with plain water. It is available in a wide range of customizable colors with flexible color matching effects and will not stain tiles. Embedded colored glass particles deliver a rich texture and soft color tone, and the product is non-toxic to the human body.

This product is indicated for:

- Suitable for grouting various building materials such as all types of stone, ceramic tiles and glass mosaics, with applicable joint widths of 1–5 mm

本产品是一种基于水性环氧技术的彩砂美缝剂。配方独特，仅用清水擦洗，可以调成多种颜色，灵活的配色效果且不污染瓷砖，彩玻颗粒，质感强烈，色调柔和，且无人体毒害性。

本品适用于：

- 适用于各类石材、瓷砖、玻璃马赛克等建材的填缝，宽度 1-5mm

Properties

产品特点

- High-quality UV-stable colored glass sand with customizable multiple colors
 - Stain-free joint surface
 - Excellent chemical resistance and anti-stain performance
 - Sanitary, antibacterial and inhibits fungal growth
 - Waterproof property
 - Ultra-high compressive strength and abrasion resistance
 - Flush joint finish
 - Easy on-site mixing, application and water cleaning
 - High thixotropy with no sagging
 - Compliant with JC/T 1004-2017 Ceramic Tile Grout and T/CBMF 166-2022 Sealant for Interior Decoration
 - VOC content meets GB 18582-2008 Limit of Harmful Substances of Interior Architectural Coatings
-
- 多色可调高品质紫外线稳定彩色玻砂
 - 接缝处无污渍
 - 高耐化学性和耐污性
 - 卫生、抗菌且不会让真菌自行生长
 - 防水
 - 非常高的抗压和耐磨性
 - 齐平接缝
 - 易于在现场混合、涂抹和用水清洗
 - 具有高度触变性，不下垂
 - 符合 JC/T 1004-2017 《陶瓷砖填缝剂》和 T/CBMF 166-2022 《室内装饰装修用美缝剂》标准
 - VOC 符合 GB 18582-2008 《室内装饰装修材料 内墙涂料中有害物质限量》标准

Applications

产品应用

Substrate Preparation Before Construction:

- Thoroughly clean all joints to be grouted with a minimum joint depth of 2 mm. Remove excess mortar, grease, debris, tile spacers and any other contaminants that may compromise grout application and final finish.
- Vacuum loose dust inside joints completely, then wipe tile surfaces with a damp sponge. Allow all residual moisture to evaporate fully before grouting. Do not clean tile or stone surfaces with acidic cleaners prior to grouting.
- Recommended substrate temperature ranges from 10°C to 35°C. For tiles and stones installed with thin-bed method, grouting can be carried out 24 hours after installation at ambient temperature. For thick-bed

installation, cure the substrate for at least 14 days or longer before grouting to allow sufficient evaporation of moisture from the bonding layer.

Material Mixing:

- Mixing Ratio: Part A : Part B =10 : 1.
- Mechanical mixing is mandatory until a homogeneous, lump-free mixture is formed.
- Hand mixing is not recommended. The blended material has a pot life of around 1 hour at 23°C.

Grouting:

- Apply the product into joints with a plastic squeegee or special rubber squeegee, fully and evenly filling all gaps on the working surface, then scrape off excess grout completely.
- Working time and curing speed are greatly affected by ambient temperature. The optimal construction temperature ranges from 10°C to 35°C. Within this temperature range, the product maintains a smooth, easily shapeable mortar consistency.
- Add clean water to the filled surface first, then wipe with a damp sponge using clockwise and counterclockwise circular motions. This step fully seals tile edges while removing surplus grout from tile surfaces.
- Next, wring out a clean sponge and perform secondary wiping diagonally across tiles to absorb residual moisture and leftover grout, while preserving intact joint profiles with smooth, clean surfaces.

施工前基材处理:

- 待施工的接缝必须先清理干净，缝深至少 2mm。应清除缝内多余的泥浆、油污、垃圾、定位器等任何影响填缝施工及填缝最终效果的杂物，
- 用吸尘器将缝内浮灰清洁干净，再用潮湿海绵将砖表面擦拭干净并等待残留水分和潮湿完全挥发。填缝之前不能用酸性清洗剂清洗瓷砖石材表面。
- 基面温度建议为 10-35°C。采用薄底法铺贴瓷砖石材时，室温条件下铺贴 24 小时后即可进行填缝操作；采用厚底法铺贴瓷砖石材时，铺贴结束需至少养护 14 天甚至更长时间才能进行填缝操作，让背面的水分及潮气能尽可能挥发。

物料混合:

- 混合比例: A 组份: B 组份=10:1。
- 须使用机械混合，直至形成均匀、无结块的混合体为止。
- 不建议手动搅拌，混合好的物料在23°C环境下可使用约1小时。

填缝:

- 使用塑料刮板或者特制橡胶刮板将产品涂抹至接缝处，对施工面的缝隙处填充均匀，多余的胶清除掉。
- 产品的使用时间和凝固时间受环境温度影响较大，10°C至 35°C之间为较为理想的使用温度。在理想温度下，产品呈平滑，易定型的砂浆状态。
- 在已完成填缝的表面上加清水，先使用沾湿后的海绵进行清洁，采用顺时针和逆时针画圆的操作动作，一方面完好密封瓷砖的侧面，另一方面从瓷砖表面去除多余的填缝剂。
- 然后用干净的海绵拧干后进一步清洁，沿着面材的对角线方向进行擦拭，以吸收多余水分，去除瓷砖表面多余的产品，同时保持缝型完好，表面光滑、洁净。

Storage

存储要求

This product is non-hazardous. Store in cool and dry place below 10-27°C. Shelf life: 12 months. Use as soon as possible.

本产品属于非危险品，储存于温度在10-35°C的阴凉干燥处，有效期为12个月，建议尽早使用。

Note

注意事项

- Construction is not recommended when substrate surface temperature is below 5°C or above 40°C.
 - Not suitable for application on ethylene, asphalt, rubber, glazed tiles, paving bricks, quarry tiles, mosaics or similar materials.
 - Do not dilute this product. Adding thinner will slow curing, degrade product performance and alter the proper recoating interval.
 - Surfaces to be grouted must be clean, dry and free of dirt and contaminants.
 - Use the product within its shelf life; expired material shall not be used.
 - Carry out construction strictly in accordance with specified operating procedures.
 - Avoid direct contact with skin and eyes. Do not ingest.
 - Keep out of reach of children and store in an area inaccessible to minors.
 - Trace chemical vapors will be released during curing. Ensure adequate ventilation at the work site. The fully cured product is non-toxic to humans.
-
- 材料表面温度低于5℃或超过40℃时，不宜施工。
 - 不要应用在乙烯、沥青、橡胶、琉璃瓦、铺路砖、缸砖、马赛克或类似材料上。
 - 不要稀释该产品，加稀释剂将使固化放慢并降低产品的使用性能、准确的再涂时间也受影响。
 - 施工表面必须保持清洁、干燥、无污垢。
 - 应在产品保质期内使用，过期产品不得使用。
 - 应严格按照规范流程施工。
 - 避免皮肤和眼睛直接接触，请勿吞食。
 - 避免小孩接触。请放置于儿童接触不到的地方。
 - 产品在固化过程中会释放出微量化学物质，作业场所应保持充分的通风，固化后对人体无毒。

Shelf life & Instruction

使用寿命和说明

Shelf life: 12 months

保质期：12 个月

These instructions are only recommendations, which are based on our experience. We advise preliminary testing before use.

这些说明只是基于我们的经验的建议。我们建议在使用前进行初步测试。

Packaging Specification

包装规格

Part A and Part B are packed in plastic pails. Custom filling specifications are available upon customer request.

A、B 组份为塑料桶包装。可根据客户要求灌装。

Technical Data Sheet (Condition: 23°C, 55%RH)

技术参数表 (条件: 23°C, 55%RH)

Test Items		Technical requirements	Typical Data	Test Method
Abrasion Resistance, mm ³		≤250	106	JC/T 1004-2017 7.2 GB/T 3810.6-2016
Flexural Strength (Std. Test Conditions), MPa		≥10	26.6	JC/T 1004-2017 7.3
Compressive Strength (Std. Test Conditions), MPa		≥25	49.8	
Shrinkage Value, mm/m		≤1.5	1.0	JC/T 1004-2017 7.4
Water Absorption (240min), g		≤0.2	0.01	JC/T 1004-2017 7.5
TVOC, g/L		≤100	55.8	GB 18583-2008 Appendix F
Artificial Weathering Aging for 168 h (with window glass filter)	Chalking	< 1 级	0 级	T/CBMF 166-2022 6.5.8
	Discoloration	≤2 级	1 级	GB/T 16422.2-2014 GB/T 1766-2008

检测项目		技术指标	典型数据	检测标准
耐磨性, mm ³		≤250	106	JC/T 1004-2017 7.2 GB/T 3810.6-2016
抗折强度 (标准试验条件下), MPa		≥10	26.6	JC/T 1004-2017 7.3
抗压强度 (标准试验条件下), MPa		≥25	49.8	
收缩值, mm/m		≤1.5	1.0	JC/T 1004-2017 7.4
吸水量 (240min), g		≤0.2	0.01	JC/T 1004-2017 7.5
总挥发性有机物, g/L		≤100	55.8	GB 18583-2008 附录 F
人工气候老化 168h (使用窗玻璃滤光器)	粉化	< 1 级	0 级	T/CBMF 166-2022 6.5.8
	变色	≤2 级	1 级	GB/T 16422.2-2014 GB/T 1766-2008

