

Product Name

产品名称

SMT-555 Kitchen & Bathroom Mildew-Resistant Sealant

SMT-555 厨卫防霉胶

Description

描述

- SMT-555 Kitchen & Bathroom Anti-Mold Sealant is a one-component, neutral room-temperature curing, medium-modulus eco-friendly sealant. It is manufactured with modified polymer materials and a unique anti-mold formula, suitable for both indoor and outdoor use with long-lasting antibacterial properties, ideal for joint sealing in mold-prone environments. It boasts outstanding weather resistance and excellent tolerance to high and low temperature fluctuations, rain, snow and UV radiation. Priming is generally not required under normal conditions, and it delivers reliable adhesion to most construction materials. It is non-corrosive to metal, coated glass, concrete, ceramic, marble, granite and other building materials.

This product is indicated for:

- Anti-mold sealing for various kitchen utensils, sanitary ware and sterile rooms
- Waterproof sealing for indoor and outdoor decoration projects of all types
- SMT-555厨卫防霉胶，是一款单组份、中性室温固化、中模量、环保型的密封胶，采用高分子改良材质以及独特的防霉配方制作而成，室内外通用，具有长效抗菌功能，特别适用于易生长霉菌环境的接缝密封。优异的耐气候性能，耐高低温变化，耐雨、雪以及紫外线；通常条件下无需底涂，对大部分建材具有良好的粘结性；对金属、镀膜玻璃、混凝土、陶瓷、大理石、花岗岩等建筑材料无腐蚀性。

本品适用于：

- 各类厨房用具、卫生洁具、无菌室的防霉密封
- 各种室内外装饰工程的防水密封

Properties

产品特点

- Ketoxime-cure, one-component, easy to apply and anti-mold
 - Fine paste texture, applicable for sealing and bonding
 - Extremely high bonding strength and outstanding waterproof performance
 - Solvent-free, formaldehyde-free, eco-friendly and non-toxic
 - Neutral curing formula, non-corrosive to metal, coated glass, marble, granite and other construction materials
 - Excellent weather resistance, resistant to temperature fluctuations, rain, snow and UV radiation
 - No primer required under normal conditions, featuring good adhesion to most building materials
 - Superior resistance to high and low temperatures: after curing, it will not become brittle, hard or crack at -50°C, nor soften or degrade at 150°C, retaining stable strength and elasticity
 - Good compatibility with other neutral silicone sealants
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- 脱酮肟型，单组分，易操作，防霉
 - 细腻膏状，可用于密封或粘接
 - 具有极高的粘接强度和优异的防水性能
 - 不含溶剂，不释放甲醛，环保无毒
 - 中性固化，对金属、镀膜玻璃、大理石、花岗岩等建筑材料无腐蚀
 - 优异的耐气候性能，耐高温变化，耐雨、雪以及紫外线
 - 通常条件下无需底涂，对大部分建材具有良好的粘结性
 - 耐高温性能卓越，固化后在-50°C不变脆、硬化或开裂，在 150°C不变软、降解，保持良好的强度和弹性
 - 与其他中性硅酮胶具有良好的相容性

Applications

产品应用

Before application:

- Prior to application, compatibility tests between the sealant and contacting materials as well as adhesion tests on the substrates to be bonded shall be carried out.

Construction Method:

- All application surfaces must be clean, dry and free of contaminants.
- Fit the cartridge into a suitable caulking gun. Cut the nozzle according to joint width, then extrude sealant into the joint to ensure full contact between sealant and joint edges.
- Compact the sealant with a proper tool and scrape off excess material.

施工前:

- 施工前应进行密封胶与所接触材料的相容性试验和与待粘结基材的粘结性试验。

施工方法:

- 施工表面必须清洁、干燥、无污垢。
- 将胶管装在合适的胶枪上，根据接缝宽度切割胶嘴，将胶挤入接缝中，确保胶与接缝的边完全接触。用合适的工具压实密封胶，并刮除多余的胶。

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10-27°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

- Not for use as structural sealant.
 - Do not apply when substrate surface temperature is below 5°C or above 40°C.
 - Unsuitable for permanently submerged areas or oil-bleeding wood.
 - Not compatible with substrates exuding oil, plasticizers or solvents, such as surfaces of oil-impregnated wood.
 - Not recommended for copper and polycarbonate (PC) materials.
 - Avoid contact with rubber articles (rubber strips, rubber pads, etc.) to prevent yellowing.
 - Avoid contact with acidic or alkaline chemicals (e.g. exterior wall cleaning agents) to prevent discoloration.
 - The application surface shall be clean, dry and free of dirt.
 - Use within the shelf life; expired product shall not be used.
 - Application shall follow adhesion test procedures strictly.
 - Prevent direct contact with skin and eyes. Do not ingest.
 - Keep out of reach of children.
 - Trace chemicals will be released during curing. Maintain adequate ventilation at the work area. The fully cured product is non-toxic to humans.
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- 不能作为结构密封胶使用。
 - 材料表面温度低于5℃或超过40℃时，不宜施工。
 - 不宜用于连续浸水的地方，或渗油的木材。
 - 不宜用于所有会渗出油脂、增塑剂或溶剂的材料，如浸油木材的表面。
 - 不宜用于铜及聚碳酸酯材料。
 - 应避免与橡胶类材料接触（如胶条、橡胶垫块等），以免发生黄变。
 - 应避免与酸性或碱性物质接触（如外墙清洗液），以免发生变色。
 - 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。
 - 应严格按照粘结性试验的流程施工。
 - 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

This product is packed in standard 300 mL plastic sealant cartridges, 24 cartridges per carton. Custom filling service is available upon customer request.

本产品采用标准的300ML胶料胶瓶包装，24支/箱。也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
Appearance		Smooth and uniform paste, free of bubbles, skinning and gel lumps	Smooth and uniform paste, free of bubbles, skinning and gel lumps	Visual inspection
Density, g/cm ³		1.0±0.03	1.00	GB/T 13477.2-2018
Sag Resistance	vertical, mm	≤3	0	GB/T 13477.6-2002
	Horizontal	No deformation	No deformation	
Tack-free time, min		5-10	8	GB/T 13477.5-2002
Extrudability, g/ 5s		≥25 (Nozzle tip diameter: φ 3.2 mm, operating pressure: 0.24 MPa)	34	GB/T 13477.4
Elastic Recovery Rate, %		≥60	87	GB/T 13477.17-2017
Tensile Modulus at 23°C, MPa		>0.4	0.5	GB/T 13477.8-2017
Elongation Adhesion		No Failure	No Failure	GB/T 13477.10-2017
Adhesion after Cold Tensile-Hot Compression Cycling		No Failure	No Failure	GB/T 13477.13-2019
Elongation Adhesion after Immersion		No Failure	No Failure	GB/T 13477.11-2017
Mass Loss Rate, %		≤10	6.1	GB/T 13477.19-2017
Mildew Resistance Grade		Grade 0 or Grade 1	Grade 0	GB/T 1741-2020

检测项目		技术指标	典型数据	检测标准
外观		细腻、均匀膏状物或粘稠体, 不应有气泡、结皮或凝胶, 无不易分散的析出物	细腻、均匀膏状物或粘稠体, 不应有气泡、结皮或凝胶, 无不易分散的析出物	JC/T 885-2016 6.3
密度, g/cm ³		1.0±0.03	1.00	GB/T 13477.2-2018
下垂度	垂直, mm	≤3	0	GB/T 13477.6-2002
	水平	无变形	无变形	
表干时间, min		5-10	8	GB/T 13477.5-2002
挤出性, g/ 5s		≥25 (尖嘴φ3.2mm, 压力	34	GB/T 13477.4

	0.24MPa)		
弹性恢复率, %	≥60	87	GB/T 13477.17-2017
23℃拉伸模量, MPa	>0.4	0.5	GB/T 13477.8-2017
定伸粘结性	无破坏	无破坏	GB/T 13477.10-2017
冷拉-热压后粘结性	无破坏	无破坏	GB/T 13477.13-2019
浸水后定伸粘结性	无破坏	无破坏	GB/T 13477.11-2017
质量损失率, %	≤10	6.1	GB/T 13477.19-2017
防霉性/防霉等级	0 级或 1 级	0 级	GB/T 1741-2020