

Product Name

产品名称

SMT-Z3T Neutral Transparent Silicone Sealant

SMT-Z3T 中性透明硅酮密封胶

Description

描述

- SMT-Z3T is a one-component neutral room-temperature curing silicone elastic sealant. It delivers excellent adhesion performance and is non-corrosive to most building materials except copper while maintaining reliable bonding strength. It serves as an ideal waterproof sealing material for doors, windows and indoor edge finishing.

This product is indicated for:

- Joint sealing for indoor glass partitions, display cabinets and kitchen counter tops
 - Bonding and sealing for temporary light fittings and art crafts
 - Suitable for non-load-bearing areas without long-term water immersion, intense ultraviolet radiation or high temperature exposure
- SMT-Z3T是单组分、中性室温固化的有机硅弹性密封胶。具有优异的粘接性，除铜外对大多数建材无腐蚀性，并且粘接良好，是门窗，室内收边理想的防水密封材料。

本品适用于：

- 室内玻璃隔断、展示柜、厨柜台面接缝
- 临时性灯具、工艺品粘接与密封
- 不承重、不长期泡水、不暴露在强紫外或高温的场所

Properties

产品特点

- One-component, translucent and user-friendly with excellent workability; it can be directly extruded and applied with a sealant gun.
- Ketoxime curing system with neutral curing property, non-corrosive to coated glass, most metals and other construction materials.
- Outstanding aging resistance, ozone resistance and water resistance.
- Excellent adhesion to most construction materials.
- Good compatibility with other neutral silicone sealants.
- 单组分、半透明、使用方便，具有良好的施工性能，用打胶枪挤出直接施工即可
- 脱酮肟型，中性固化，对镀膜玻璃、绝大部分金属等建筑材料无腐蚀
- 优异的耐老化性能、耐臭氧、耐水
- 对大部分建筑材料具有优良的粘结性
- 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 to be used as structural sealant.
 - Not suitable for outdoor areas with intense ultraviolet exposure.
 - Not recommended for copper and polycarbonate substrates.
 - Do not apply when the substrate surface temperature is below 5°C or above 40°C.
 - Not suitable for frosted or damp surfaces.
 - Unsuitable for continuously submerged or permanently humid locations.
 - Avoid contact with rubber materials (such as rubber strips, rubber pads, etc.) to prevent yellowing.
 - Avoid contact with acidic or alkaline substances (e.g. exterior wall cleaning agents) to prevent discoloration.
 - Not compatible with substrates that bleed oil, plasticizers or solvents, such as surfaces of oil-impregnated wood.
 - The application surface must be clean, dry and free of contaminants.
 - Use within the product shelf life; expired products shall not be used.
 - Construction shall be carried out in strict accordance with adhesion test procedures.
 - Prevent direct contact with skin and eyes. Do not ingest.
 - Keep away from children. Store out of children's reach.
 - Trace amounts of chemical substances will be released during curing. Sufficient ventilation must be maintained at the working area. The fully cured product is non-toxic to human bodies.
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- 不能作为结构密封胶使用。
 - 不宜用在室外强紫外照射的场景。
 - 不宜用于铜及聚碳酸酯材料。
 - 材料表面温度低于5℃或超过40℃时，不宜施工。
 - 不宜用于结霜或潮湿的表面。
 - 不宜用于连续浸水的地方或终年潮湿的地方。
 - 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。
 - 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。
 - 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		0.95±0.03	0.95	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	5	GB/T 13477.5-2002
Extrudability, g/ 5s		≥40 (Nozzle tip diameter: φ 3.2 mm, operating pressure: 0.24 MPa)	42	GB/T 13477.3-2017
Cure rate, mm/24h		≥2.5	3.0	GB/T 13477.22
Elongation at Break, %		≥300	500	GB/T 528-2009
Tensile Strength, Mpa		≥1.0	1.4	GB/T 528-2009
Hardness, Shore A		25-35	26	GB/T 39693.4-2025

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	目测
密度, g/cm ³		0.95±0.03	0.95	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	5	GB/T 13477.5-2002

挤出性, g/5s	≥40(尖嘴φ3.2mm, 压力 0.24MPa)	42	GB/T 13477.3-2017
固化速度, mm/24h	≥2.5	3.0	GB/T 13477.22
断裂伸长率, %	≥300	500	GB/T 528-2009
拉伸强度, Mpa	≥1.0	1.4	GB/T 528-2009
邵氏硬度, Shore A	25-35	26	GB/T 39693.4-2025