

Product Name

产品名称

SMT-351 Crystal Clear Sealant

SMT-351 水晶透明密封胶

Description

描述

SMT-351 is a one-component, moisture-curing silane-modified polyether mold-resistant sealant. This solvent-free sealant features anti-staining performance and eco-friendly formula, delivering superior adhesion to most construction substrates. Specially developed for mold-proof sealing applications, it maintains long-term waterproof and anti-mildew performance. It is particularly suitable for bonding and sealing in mold-prone humid environments such as kitchens and bathrooms. It generates no irritating or unpleasant odors during application, bringing brand-new construction experience and aesthetic finishing effects.

This product is indicated for:

- Ideal for invisible bonding and sealing applications such as display cabinets, crystal glass blocks, jewelry display stands, optical components and electronic parts

SMT-351 是一种单组份湿气固化的硅烷改性聚醚防霉胶，本产品无溶剂、抗污染、绿色环保、对大部分的建筑材料都能产生优越的粘结性。是专为各种防霉密封设计的密封胶，具有长期的防水防霉性能。特别适用于厨房、卫生间等易生长霉菌环境的粘结密封，使用过程无刺激性或难闻气味，为您带来全新的施工理念和美观效果。

本品适用于：

- 展示柜、水晶玻璃砖、珠宝陈列架、光学器件、电子元器件等需要“隐形”粘接密封的场合

Properties

产品特点

- Solvent-free, odorless and isocyanate-free, eco-friendly
- The cured adhesive is crystal clear and paintable, preserving the original appearance of substrates
- Waterproof, anti-mildew and anti-yellowing
- One-component for easy application, offering good extrudability and thixotropy between 5°C and 40°C
- 无溶剂、无臭、不含异氰酸酯，环保友好
- 固化后胶体清澈，可上涂料，维持基材原有美观
- 防水、防霉、抗黄变
- 单组分、使用方便，在 5°C-40°C 具有良好的挤出性和触变性

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 suitable for locations with long-term service temperature above 100°C.
 - Do not apply when the substrate surface temperature is lower than 5°C or higher than 40°C.
 - Unsuitable for substrates that exude grease, plasticizers or solvents, such as oil-impregnated wood surfaces.
 - Not applicable to areas under continuous water immersion or permanently high humidity.
 - Not recommended for bonding polypropylene (PP), polyethylene (PE) and polytetrafluoroethylene (PTFE).
 - The application surface must be clean, dry and free of contaminants.
 - Use within the shelf life; expired products are forbidden to use.
 - Construction shall be performed strictly in accordance with adhesion test procedures.
 - Avoid direct contact with skin and eyes; do not ingest.
 - Keep out of reach of children.
 - Trace amounts of chemical substances will be released during curing. Sufficient ventilation must be maintained at the working area; the cured sealant is non-toxic to human bodies.
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- 不宜用于使用温度长期高于90℃的场所。
 - 材料表面温度低于5℃或超过40℃时，不宜施工。
 - 不宜用于会渗出油脂、增塑剂或溶剂的材料，如浸油木材的表面。
 - 不宜用于连续浸水的地方或终年潮湿的地方。
 - 不宜用于聚丙烯(PP)、聚乙烯(PE)、聚四氟乙烯(PTFE)的粘接。
 - 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 available in standard 300ml rigid cartridges (24 pieces per carton) and 600ml soft sausage packs (20 pieces per carton). Custom filling specifications can be provided upon customer request.

本产品采用标准的300ML胶料胶瓶包装，24支/箱；600ML软支包装，20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		1.03±0.03	1.03	GB/T 13477.2-2018
Sag Resistance	vertical, mm	≤3	0	GB/T 14683-2017
Tack-free time, min		3-10	3	GB/T 13477.5
Cure rate, mm/24h		≥2.5	3.0	GB/T 13477.22
Tensile Strength, MPa		≥1.5	2.5	GB/T 528-2009
Elongation at Break, %		≥200	250	
Hardness, Shore A		35-45	40	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, 不应有气泡、结皮或凝胶	细腻、均匀膏状物, 不应有气泡、结皮或凝胶	目测
密度, g/cm ³		1.03±0.03	1.03	GB/T 13477.2-2018
下垂度	垂直, mm	≤3	0	GB/T 13477.6
表干时间, min		3-10	3	GB/T 13477.5
固化速度, mm/24h		≥2.5	3.0	GB/T 13477.22
拉伸强度, MPa		≥1.5	2.5	GB/T 528-2009
断裂伸长率, %		≥200	250	
硬度, Shore A		35-45	40	GB/T 39693.4-2025