

Product Name

产品名称

SMT-M10 Series Silane Modified Polyether Sealant

SMT-M10 系列硅烷改性聚醚密封胶

Description

描述

Elastic adhesives including SMT-M09, M10 and other models are formulated with specially copolymer-modified silicone rubber resin as the base component, together with other special active additives. Once the extruded adhesive paste contacts air, it will undergo vulcanization reaction with moisture in the atmosphere, curing gradually from surface to core into an elastomer to realize its bonding and sealing functions. The fully cured adhesive is tough and highly elastic, delivering outstanding mechanical properties.

This product is indicated for:

- Sealing of indoor joints
- Interior decoration works
- Special for copper doors

SMT-M09、M10等弹性粘合剂是基于特殊共聚改性有机硅橡胶树脂主体成分加其他特殊活性助剂制备而成的弹性胶粘剂。胶浆挤出接触空气后与空气中的水分会发生硫化反应，由表及里逐步固化成弹性体而发挥作用。固化后的胶体强韧而富有弹性，具有优异的力学性能。

本品适用于：

- 室内缝隙的密封
- 室内装修
- 铜门专用

Properties

产品特点

- Eco-friendly product: ultra-low VOC, non-toxic and odorless; free of contamination and corrosion to all substrates
- Outstanding adhesion: excellent bonding performance on building materials such as glass, aluminum, cement, concrete and stone
- High modulus and high mechanical strength, satisfying bonding and sealing demands with high adhesion strength requirements for indoor applications
- Good paintability: the cured surface can be painted or coated
- Excellent resistance to high and low temperatures
- Easy workability: single-component formula for simple construction. It features favorable extrudability within the temperature range of 5°C~40°C, and can be directly extruded with a caulking gun for on-site application
- 环保产品：超低 VOC，无毒无味，对基材无污染、无腐蚀
- 优异的粘接性：玻璃、铝材、水泥、混凝土、石材等建材具有优异的粘接性能
- 高模量、强度大。可满足室内有粘接强度要求的粘接与密封需求
- 良好的涂饰性：表面具有可涂饰性
- 优异的耐热和耐寒性
- 良好的操作性：单组分，操作方便，在 5°C~40°C 范围内具有良好的挤出性，用胶枪挤出即可施工

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 80°C.
 - Not applicable for glass glazing installation.
 - Do not carry out construction when the substrate surface temperature is lower than 5°C or higher than 40°C.
 - Not recommended for substrates that exude grease, plasticizers or solvents, e.g. oil-impregnated wood surfaces.
 - Unsuitable for areas permanently immersed in water or perpetually damp environments.
 - Cannot be used for bonding polypropylene (PP), polyethylene (PE) and polytetrafluoroethylene (PTFE).
 - When bonding cement or concrete substrates, the substrates must be fully dry and cured for 7 days prior to application; otherwise the adhesion performance will be compromised.
 - The application surface must be kept clean, dry and free of grime.
 - Use the product within its shelf life; expired products are forbidden for use.
 - Construction shall be performed strictly in accordance with the adhesion compatibility test procedure.
 - Avoid 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. Adequate ventilation must be maintained at the work site. The fully cured sealant is non-toxic to humans.
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- 不宜用于使用温度长期高于80℃的场所。
 - 不宜用于玻璃镶装用途。
 - 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。
 - 粘接水泥、混凝土基材时必须待基材完全干燥并养护7天后方可施工，否则会影响粘接性能。
 - 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

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包装规格

This product is available in standard 300ml rigid cartridges, 24 pieces per carton, and 600ml foil sachets, 20 pieces per carton. Custom filling is available 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		1.65±0.03	1.65	GB/T 13477.2-2018
Sag Resistance	vertical, mm	≤3	0	GB/T 13477.6
	horizontal	No deformation	No deformation	
Extrudability, g/ 5s		≥30 (Nozzle tip diameter: ϕ 3.2 mm, operating pressure: 0.4 MPa)	60	GB/T 13477.4
Tack-free time, min		10-20	15	GB/T 13477.5
Tensile Strength, MPa		≥1.0	1.2	GB/T 528-2009
Elongation at Break, %		≥80	110	

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		1.65±0.03	1.65	GB/T 13477.2-2018
下垂度	垂直, mm	≤3	0	GB/T 13477.6
	水平	无变形	无变形	
挤出性, g/ 5s		≥30 (尖嘴 ϕ 3.2mm, 压力 0.4MPa)	60	GB/T 13477.4
表干时间, min		10-20	15	GB/T 13477.5
拉伸强度, MPa		≥1.0	1.2	GB/T 528-2009
断裂伸长率, %		≥80	110	