

Product Name

产品名称

SMT-B306F Waterborne Fire Retardant Adhesive

SMT-B306F 水性防火阻燃胶

Description

描述

Model SMT-306F is a one-component eco-friendly waterborne acrylic caulking adhesive with fire retardant performance. It boasts excellent fire resistance and storage stability. This solvent-free sealant causes no solvent pollution; it cures by film formation as water evaporates and polymers bond together, delivering easy application.

This product is indicated for:

- Wall gap sealing
- Cable penetration sealing

SMT-306F是一款单组份、具有阻燃防火性能的水性丙烯酸环保填缝胶。具有良好的防火性能、贮存稳定性，该密封胶无溶剂污染，水分挥发聚合物粘连后成膜固化，使用方便。

本品适用于：

- 墙体缝隙封堵
- 电缆孔洞封堵

Properties

产品特点

- One-component, ready-to-use
 - Excellent workability
 - Excellent flame retardant performance, UL94-V0 rating
 - Complies with the requirements of GB/T 23864, with a fire resistance duration up to 3 hours
 - Anti-sagging
 - Outstanding adhesion to various substrates
 - Paintable and stainable surface
 - Eco-friendly & low odor
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- 单组份，即开即用
 - 优异的施工性
 - 优异的阻燃性能，UL94-V0 等级
 - 符合 GB/T23864 的要求，耐火时间长达 3 小时
 - 抗流挂
 - 对多种基材粘接优异
 - 表面可涂漆可上色
 - 环保低气味

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℃的阴凉干燥处，有效期为12个月，建议尽早使用。

Note

注意事项

- Do not use in areas exposed to permanent water immersion.
 - Not to be used for structural joints.
 - Application is not recommended when the substrate surface temperature is below 5°C or above 40°C.
 - Do not apply when relative air humidity exceeds 80% or substrate moisture content exceeds 12%.
 - Application surfaces must be kept clean, dry and free of contaminants.
 - Use within the product shelf life; expired product shall not be used.
 - Application shall be performed strictly in accordance with the adhesion test procedure.
 - Avoid direct contact with skin and eyes. Do not ingest.
 - Keep out of reach of children.
 - The product releases trace amounts of chemicals during curing. Ensure adequate ventilation at the work area. It is non-toxic to human body after complete curing.
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- 严禁用于“长期见水”场合。
 - 不能作为结构性胶缝。
 - 材料表面温度低于5℃或超过40℃时，不宜施工。
 - 空气湿度 > 80%或基层含水率 > 12%不宜施工。
 - 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 supplied in standard 300ml sealant cartridges, 24 cartridges per carton. Custom filling is available per customer requirements.

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		Fine and uniform paste	Fine and uniform paste	Visual inspection
Density, g/cm ³		1.44±0.03	1.45	GB/T 13477.2-2018
Extrudability, g/5s		≥150 (Nozzle tip diameter: φ3.2 mm, operating pressure: 0.4 MPa)	190	GB/T 13477.4
Sag Resistance	vertical, mm	≤3	0	GB/T 14683-2017
Tack-free time, min		40-60	40	GB/T 13477.5
Cure rate, mm/24h		≥3.0	3.5	GB/T 13477.22
Tensile Strength, MPa		≥0.5	0.6	GB/T 528-2009
Elongation at Break, %		≥40	57	
Hardness, Shore A		60-80	70	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	细腻、均匀膏状物	目测
密度, g/cm ³		1.44±0.03	1.45	GB/T 13477.2-2018
挤出性, g/5s		≥150 (尖嘴φ3.2mm, 压力0.4MPa)	190	GB/T 13477.4
下垂度	垂直, mm	≤3	0	GB/T 13477.6
表干时间, min		40-60	40	GB/T 13477.5
固化速度, mm/24h		≥3.0	3.5	GB/T 13477.22
拉伸强度, MPa		≥0.5	0.6	GB/T 528-2009

断裂伸长率, %	≥40	57	
硬度, Shore A	60-80	70	GB/T 39693.4-2025