

SINOSIL™ 9019 Alkoxy Silicone Sealant

INTRODUCTION

SINOSIL™ 9019 is a one-component, alkoxy cure silicone sealant, designed to meet various flame-retardant requirements.

It offers exceptional flame-retardant performance, with a maximum temperature resistance of up to 300°C, and can meet FV-0 standards.

KEY FEATURES

- Superior flame-retardant performance
- Excellent weather and aging resistance
- High temperature resistance
- Long service life
- Good adhesion to most building materials
- Good compatibility

PHYSICAL PROPERTIES

Uncured: 50 ± 5% RH and temperature 23 ± 2°C

Performance	Limit	Typical Value
Density (g/cm ³)	1.1 - 1.3	1.2
Tack-Free time	Max.180 min	10
Extrusion performance	Min.80 ml/min	500
Slumpability (mm) vertical	Not change shape	Not change shape
Slumpability (mm) horizontal	Max.3	-
Curing speed (mm/d)	Min.2	3

After cured: 21 days at 50 ± 5% RH and temperature 23 ± 2°C

Performance	Limit	Typical Value
Hardness (Shore A)	20-60	35
Tensile strength (Mpa)		1.0
Elongation at break (%)		260
Movement Capability (%)		25

Typical data are average data and actual values may vary.

Typical data shall not be used as product specifications.

APPLICATIONS

SINOSIL™ 9019 is suitable for sealing boundary joints around fireproof doors and windows, as well as pipe joints.

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It can also be used for sealing cables and water pipes between walls and floors.

Additionally, SINOSIL™ 9019 is ideal for flame-retardant sealing of expansion joints in each layer of curtain wall construction.

HOW TO USE

Surfaces should be clean, dry, and free of grease and dust. For non-porous surfaces like aluminum and glass, use an appropriate solvent for cleaning.

For porous surfaces such as concrete, brick, or mortar, it is necessary to clean them mechanically to remove loose particles using tools like a steel brush or sanding disc.

Using a primer is recommended for better adhesion on porous substrates or if the assembly is expected to be exposed to water during its use. In general, primers are not required unless specific substrates need them to achieve the best possible adhesion.

LIMITATIONS:

Do not use SINOSIL™ 9019 Alkoxy Sealant in fully enclosed spaces, as it requires atmospheric moisture to cure. Bleeding may occur on porous substrates like concrete, marble, granite, and other natural stones, so specific tests should be conducted on these materials.

SINOSIL™ 9019 Alkoxy Sealant must be stored properly before use. Contact with strong oxidizing agents (e.g., hydrogen peroxide) or direct exposure to UV light while uncured may cause the sealant to yellow.

SINOSIL™ 9019 Alkoxy Sealant is not recommended for structural or insulating glazing applications. Additionally, it is not suitable for direct food contact or for use in medical or pharmaceutical applications.

PACKING

SINOSIL™ 9019 is supplied in 200kg drum.

STORAGE

In the unopened original container, SINOSIL™ 9019 has a shelf life of one year in a dry and cool place, with temperature below 27°C.

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HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SiSiB customer service.

NOTE

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. However, as the conditions and methods of use of our products are beyond our control, this information should not replace customer testing to ensure that our products are safe, effective, and fully compatible with the intended end use.

SiSiB SILICONES' sole warranty is that our products will meet the sales specifications in effect at the time of shipment. In the event of a warranty breach, your exclusive remedy is limited to either a refund of the purchase price or the replacement of any product that is shown not to meet the warranty.