

# SINOSIL™ 9027 Alkoxy Silicone Sealant - Black

## INTRODUCTION

SINOSIL™ 9027 is a one-component, neutral alkoxy-cure silicone sealant designed for general sealing and bonding applications. It cures at room temperature in the presence of atmospheric moisture to form a permanently flexible silicone elastomer.

It provides excellent adhesion to a wide range of substrates and offers long shelf life, good elasticity and reliable performance across a wide temperature range.

## KEY FEATURES

- One-component, ready-to-use RTV sealant
- Neutral alkoxy curing system
- Long shelf life
- Low modulus with high elasticity
- Non-corrosive to metals, glass, ceramics and plastics
- Excellent flexibility from -55 °C to +180 °C
- Suitable for sanitary and glazing applications

## PHYSICAL PROPERTIES

Property	Value
Appearance	Non-sag paste
Color	Black
Density (g/ml, 20°C)	0.95-1.05
Tack-free Time (min)	5-20

Cured, after 7 days at 23°C, RH 50%.	
Hardness (shore A)	10-20
Tensile strength (MPa)	Min. 0.8
Tear strength (AI-AI) (MPa)	Min. 0.6
Elongation at break (%)	Min. 300
Modulus at 100 % elongation (MPa)	Max. 0.35
Modulus at 50 % elongation (MPa)	Max. 0.3

*These values are typical and are not intended for use as specifications.*

## APPLICATIONS

SINOSIL™ 9027 is suitable for a variety of bonding and sealing applications in both residential and commercial construction.

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Typical applications include:

- General bonding and sealing in interior decoration
- Mirror bonding and fixing
- Aquarium or fishbowl bonding
- Base sealant for colored alkoxy silicone sealants
- Adhesive, fixing and sealing applications in industrial and electronic components

### USAGE GUIDELINES

#### Substrate Preparation

All substrates should be clean, dry and free of dust, grease, rust and other contaminants before application.

#### Application

Extrude the sealant onto the bonding area and complete tooling before surface skin formation. The required amount of sealant should be determined according to the bonding strength requirements. Application methods include point bonding, bead sealing or surface coating. Mechanical fixtures may be used when necessary.

#### Curing

After exposure to atmospheric moisture, the sealant forms a surface skin and cures gradually from the outside toward the interior.

Under standard conditions of **23 °C and 55% relative humidity**, the curing depth reaches approximately **3 mm within 24 hours**. Thicker sections require longer curing time.

#### Storage of Remaining Sealant

Partially used containers should be tightly sealed immediately after use. When reused, any cured material at the outlet can be removed without affecting product performance.

### LIMITATIONS:

SINOSIL™ 9027 requires atmospheric moisture to cure and should not be used in fully enclosed spaces where moisture is not available.

Bleeding or staining may occur on porous substrates such as concrete,

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marble, granite, and other natural stones. Compatibility tests should be conducted before use on such materials.

SINOSIL™ 9027 should be stored properly before application. Contact with strong oxidizing agents (such as hydrogen peroxide) or exposure to ultraviolet light before curing may cause yellowing.

This product is **not intended for structural glazing or insulating glass applications** and is **not suitable for food-contact, medical, or pharmaceutical uses**.

### PACKING

SINOSIL™ 9027 is supplied in net weight 200kgs drum.

### STORAGE

SINOSIL™ 9027 should be stored in a cool and dry place below 30 °C in its original unopened container. Under recommended storage conditions, the product has a shelf life of 12 months from the date of manufacture.

### 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.