

SINOSIL™ 9098 Structural Glazing Silicone Sealant

INTRODUCTION

SINOSIL™ 9098 is a one-component, neutral-cure RTV silicone sealant designed for structural bonding and curtain wall glazing applications. The sealant cures at ambient temperature by reaction with atmospheric moisture to form a durable and flexible silicone rubber.

It provides excellent adhesion to a wide range of construction materials together with outstanding resistance to ultraviolet radiation and weathering, making it suitable for structural glazing applications.

KEY FEATURES

- One-component, ready-to-use sealant
- Neutral curing, non-corrosive to most substrates
- High-performance structural silicone sealant
- Excellent UV and weather resistance
- Excellent adhesion to many construction materials
- Suitable for structural glazing and curtain wall applications

PHYSICAL PROPERTIES

Appearance	Uniform, non-sag paste
Surface Drying Time (min)	Max.30
Extrudability (N, room temperature)	130-280
Extrudability (N, after 24 h at 5°C)	150-280
Sag (mm, vertical)	Max.3.0
Sag (mm, horizontal)	No deformation
Tensile Modulus (23°C, MPa)	Min.0.9
Adhesion at Maintained Extension	No failure

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

APPLICATIONS

SINOSIL™ 9098 is designed for structural glazing and structural bonding in building construction.

Typical applications include:

- Structural glazing for curtain wall systems
- Structural bonding in façade assemblies
- Bonding and sealing of glass, aluminum and steel
- Structural sealing in architectural glazing systems

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- Bonding of construction materials such as ceramics, tiles, concrete and precast panels

HOW TO USE

Substrate Preparation

All substrates must be clean, dry and free of dust, grease, oil or other contaminants before application.

Application

Apply the sealant using a manual or pneumatic caulking gun. Tool the sealant before skin formation to ensure good contact with the joint surfaces.

Curing

SINOSIL™ 9098 cures by reaction with moisture in the air. It should not be used in completely confined spaces where moisture is not available.

Application is not recommended when:

- Substrate temperature exceeds **40°C**
- Substrate temperature is below **5°C**
- Surfaces are wet, oily or contaminated

LIMITATIONS

SINOSIL™ 9098 Structural Silicone Sealant should not be used:

- In totally confined joints where moisture is not available for curing
- On surfaces that are wet, oily, dusty or contaminated
- When substrate temperatures exceed 40°C or are below 5°C during application
- On materials that bleed oils, plasticizers or solvents
- In applications where the sealant will be continuously immersed in water
- On substrates requiring painting, as most paints do not adhere to silicone sealants
- In direct contact with food or in food-processing applications
- In medical or pharmaceutical applications

Structural glazing applications must be properly designed and tested to ensure suitability before use.

PACKING

SINOSIL™ 9098 is typically supplied in 300 ml cartridges, 500 ml sausages,

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or bulk drums.

STORAGE

Store SINOSIL™ 9098 in a cool, dry place below 30°C, away from heat sources and direct sunlight.

When stored in the original unopened containers under recommended 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.