

# SINOSIL™ 9086 Weatherproofing Silicone Sealant

## INTRODUCTION

SINOSIL™ 9086 is a one-part, neutral-cure, low modulus silicone weatherproofing sealant which easily extrudes and cures at room temperature.

It is specially designed for general glazing and weather sealing in curtain wall and building facades.

## KEY FEATURES

- Excellent weather resistance, virtually unaffected by sunlight, rain, snow, ozone.
- Long service life.
- Good adhesion to most building materials.
- Excellent extension and compressive properties.
- The cured sealant can maintain good elasticity between -40°C and 120°C.
- Joint movement capability  $\pm 50\%$ .

## PHYSICAL PROPERTIES

Uncured: 50  $\pm$  5% RH and temperature 23  $\pm$  2°C

Performance	Limit	Typical Value
Density (g/cm <sup>3</sup> )	1.38 - 1.58	1.48
Tack- Free Time (min)	Max. 180	12
Extrusion (ml/min)	Min. 80	280
Tensile Modulus (MPa, 23°C)	Min. 0.4	0.4
Tensile Modulus (MPa, -20°C)	Min. 0.6	0.7
Slumpability (mm) vertical	Not change shape	Not change shape
Slumpability (mm) horizontal	Max. 3	-
Curing Speed (mm/d)	2	2.5

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

Performance	Limit	Typical Value
Hardness (Shore A)	20-60	35
Tensile Strength (MPa)		0.85
Elongation of Rupture (%)		450
Movement Capability (%)		50

Typical data are average data and actual values may vary.

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Typical data shall not be used as product specifications.

## APPLICATIONS

SINOSIL™ 9086 is suitable for:

- Bonding and sealing in various glass curtain wall systems.
- Bonding and sealing of aluminum plate curtain walls and aluminum-plastic composite panel curtain walls.
- Gap-filling and sealing between glass, ceramics, and metal plates.
- Installation and sealing of aluminum doors/windows, PVC windows, and gusset doors / windows.

## HOW TO USE

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

Apply low adhesive tape to the areas that require protection. Adjust and remove the tape before the sealant cures.

## LIMITATIONS:

SINOSIL™ 9086 Sealant is not recommended for structural applications.

SINOSIL™ 9086 Sealant should not be used on the oily or oil-leaking, frosty or damp surface and in the airtight places, nor the material surface which the temperature is below 4°C or above 40°C.

## PACKING

SINOSIL™ 9086 is supplied in 200kg drum.

## STORAGE

In the unopened original container, SINOSIL™ 9086 has a shelf life of one year in a dry and cool place, with temperature below 27°C.

## 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.

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### 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.