

SiSiB® SR5103 Acrylic Modified Silicone Resin

INTRODUCTION

SiSiB® SR5103 Acrylic Modified Silicone Resin is a colorless to light yellow transparent liquid, often exhibiting an opalescent appearance. This resin combines the advantageous properties of both acrylic and silicone resins, offering enhanced heat resistance, weatherability, and adhesion.

EFFECTS

- Excellent heat and weather resistance
- Strong adhesion, high gloss
- Room-temperature curable
- Heat resistant up to 600°C

PHYSICAL PROPERTIES

Appearance	Liquid
Color	Colorless to yellowish
Viscosity (Tu-4 cup, 25°C, s)	~100
Solvent	Xylene
Surface Drying	30 minutes
Baking Curing, 180°C	30 minutes

APPLICATIONS

SiSiB® SR5103 is commonly used in high-temperature resistant paints, weather-resistant coatings, and H-level silicone insulation varnish.

GUIDELINES

1. Two-Component Room Temperature Curing

- **Curing Agent:** Utilizes isocyanate-based curing agents, such as Bayer 3390 or N75.
- **Dosage:** Typically, 10-20% by weight relative to the resin.

2. High-Temperature Baking Curing

- **Standard Process:** Involves heating the resin to 180°C for approximately 1 hour to achieve full curing.
- **Accelerated Curing:** Incorporation of amino resins can reduce the required curing time, enhancing production efficiency.

PACKING

SiSiB® SR5103 is available in 200Kg steel drum.

HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data

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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.

STORAGE

SiSiB® SR5103 has a shelf life of 6 months from the date of manufacture when stored in its original, unopened containers at or below 25°C (77°F). After opening, containers should be tightly sealed to prevent contamination and moisture from entering the product.

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. Performance of the product described herein should be verified by testing.

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