

Sikoat™ RC300 Release Coating Base Polymer

INTRODUCTION

Sikoat™ RC300 is a reactive siloxane base polymer designed for use in solvent-free, addition-curing silicone release coating systems. When combined with the appropriate crosslinker and platinum catalyst, it provides stable release performance with low peel force and fast curing. It is mainly developed for paper substrates like Glassine, PEK, etc. release liner applications.

ADVANTAGES & FEATURES

- 100% active, solvent-free base polymer
- Consistent and controlled release force
- Low and stable release force
- Good anchorage performance
- Low silicone migration
- Long bath life
- Suitable with different type adhesive system

PHYSICAL PROPERTIES

Appearance	Colorless clear liquid
Density (20°C, g/cm³)	0.97
Viscosity (cP, 25°C)	330
Release force (g/25 mm, tesa Tape 7475, 23°C)	10 - 20

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

APPLICATIONS

Sikoat™ RC300 is specially designed for silicone release coating applications on glassine, PEK, and other paper substrates.

TYPICAL FORMULATION

Base Polymer	Sikoat™ RC300	100 parts
Crosslinker	Sikoat™ XL1180	2.6 - 3.2 parts
Catalyst	Sikoat™ CAT50	0.6 - 0.9 parts

Substrate	Curing condition
PEK	120°C for 12 seconds
Glassine	120°C for 14 seconds

USAGE GUIDELINES

The prepared coating bath should be used within 5 hours at 40°C.

Sikoat™ RC300 Release Coating Base Polymer

Do not mix the crosslinker and catalyst directly, as direct contact may cause a rapid reaction and excessive heat generation.

Avoid contamination with catalyst poisons, such as tin compounds, amines, and phosphorus- or sulfur-containing compounds, as they may inhibit curing.

Keep containers tightly closed and store in a cool, dry place away from heat and direct sunlight. Once opened, use the product as soon as possible.

PACKING

Sikoat™ RC300 is available in 180Kg Drum or 1000Kg IBC.

STORAGE

When stored at temperatures below 30°C in the original unopened containers, Sikoat™ RC300 has a shelf life of 24 months from the date of production.

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.

LIMITATIONS

These products are neither tested nor represented as suitable for medical or pharmaceutical uses.

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.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.