

Sikoat™ CAT50 Platinum Catalyst

INTRODUCTION

Sikoat™ CAT50 is a platinum-based catalyst used in solventless silicone release systems. When used in combination with silicone polymers and crosslinkers, it enables efficient addition curing and ensures stable release performance.

ADVANTAGES & FEATURES

- Platinum complex with high catalytic activity
- Provides fast curing and stable release properties
- Good curing effect on both paper and film

PHYSICAL PROPERTIES

Appearance	Colorless transparent liquid
Active content (%)	100
Viscosity (25°C, cP)	40
Density (20°C, g/cm ³)	0.96

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

APPLICATIONS

Sikoat™ CAT50 is designed for use in silicone release coating formulations. It serves as the catalyst in addition-curing systems for paper, films, and other substrates requiring silicone release layers. It can be applied in coating processes for labels, tapes, and industrial release liners.

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.

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,

Sikoat™ CAT50 Platinum Catalyst

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.

Slight sedimentation may occur during storage. Stir thoroughly before use.

PACKING

Sikoat™ CAT50 is available in 1Kg bottle or 20Kg pail.

STORAGE

Store Sikoat™ CAT50 in the original unopened container at -20°C to 30°C. Protect from direct sunlight and contamination. It 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.

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.

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