

# Sikoat™ CAT40 Platinum Catalyst

## INTRODUCTION

Sikoat™ CAT40 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
- Low volatility, ensuring clean curing
- Provides fast curing and stable release properties
- Compatible with a wide range of silicone resins and crosslinkers

## PHYSICAL PROPERTIES

Appearance	Colorless transparent liquid
Viscosity (25°C, cP)	300-400
Specific gravity (20°C, g/cm <sup>3</sup> )	0.96-0.99

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

## APPLICATIONS

Sikoat™ CAT40 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.

## USAGE GUIDELINES

### Typical formulation:

Base Polymer	Sikoat™ RC500	100 parts
Crosslinker	Sikoat™ XL1980	2.5 parts
Catalyst	Sikoat™ CAT40	1 part

- Curing condition: 130 °C for 15 seconds
- The prepared coating bath should be used within 6 hours at 25°C
- Never mix the crosslinker with the catalyst only, as this will cause a reaction that releases hydrogen and generates heat.
- Contamination of addition-type products with "catalyst poisons" (such as tin compounds, amines, and phosphorus- or sulfur-containing compounds) may result in incomplete curing, so interference with these

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substances must be avoided.

- Store containers tightly sealed in a cool, dark, low-humidity environment, away from high temperatures and direct sunlight. After the container has been opened initially, the product should be used up as quickly as possible.
- Platinum catalysts may exhibit precipitation of some ingredients over time depending on the storage conditions, but this does not affect product quality. Stir thoroughly before use.

### PACKING

Sikoat™ CAT40 is available in 1Kg bottle or 25Kg pail.

### STORAGE

When stored in original unopened containers at temperatures below 30°C, Sikoat™ CAT40 has a shelf life of 6 months from the date of production. Protect from direct sunlight, moisture, and contamination

### 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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