

Sikoat™ XL1980 Crosslinker

INTRODUCTION

Sikoat™ XL1980 is a reactive silicone crosslinker designed for use in solvent-free, addition-curing silicone release coating systems. In combination with silicone base polymers and platinum catalysts, it enables rapid curing, stable bath performance, and consistent release values.

ADVANTAGES & FEATURES

- Provides fast and efficient curing with platinum catalysts
- Ensures stable release properties with low peel force
- Good compatibility with silicone polymers
- Low viscosity for easy handling and blending

PHYSICAL PROPERTIES

Appearance	Colorless Liquid
Viscosity (cP, 25°C)	35-55
Density (20°C, g/cm ³)	0.96-1.00

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

APPLICATIONS

Sikoat™ XL1980 is used as a crosslinker in addition-curing silicone release systems. It is recommended for paper and film release liners, adhesive tapes, labels, and anti-adhesive packaging applications.

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 substances must be avoided.

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- 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™ XL 1980 is available in 25Kg Pail or 200Kg Drum.

STORAGE

When stored in original unopened containers at temperatures below 35°C, Sikoat™ XL 1980 has a shelf life of 6 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.

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