

Sikoat™ XL1180 Crosslinker

INTRODUCTION

Sikoat™ XL1180 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 clear liquid
Active content, %	100
Viscosity (cP, 25°C)	45
Density (20°C, g/cm³)	0.99

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

APPLICATIONS

Sikoat™ XL1180 is used as a crosslinker in addition-curing silicone release coating systems for paper and film 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.

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.

Sikoat™ XL1180 Crosslinker

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™ XL1180 is available in 1Kg bottle or 20Kg Pail.

STORAGE

When stored in original unopened containers at temperatures below 30°C, Sikoat™ XL1180 has a shelf life of 12 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.