

ADDSiL™ 8450 Silicone Leveling Agent

INTRODUCTION

ADDSiL™ 8450 is a polyether-modified polydimethylsiloxane. It is a highly effective silicone additive, provides a strong reduction of surface tension and reduces the friction coefficient.

Effects

Transparency in clear formulation:	★★★★★
Defoaming effect:	★
Dynamic surface tension:	★★★★★
Static surface tension:	★★★★★
Slip effect:	★★★★★
Reduce orange peel effect:	★

PHYSICAL PROPERTIES

Color and Appearance	Colorless to yellowish clear liquid
Active Ingredient	100%
Flash Point	>100°C
Density _{25°C}	1.00~1.04g/ml
Viscosity _{25°C}	60~90 (T-4 viscometer)
Recommended Levels	0.1~1.0%

BENEFITS

- Excellent substrate wetting.
- Prevented cratering.
- Increased surface slip.

APPLICATIONS

- Solvent-borne coatings.
- UV curing coatings.
- Water-borne coatings.

ADDSiL™ 8450 can improve the resistance of scraping and increase the smooth feeling.

ADDSiL™ 8450 can provide good recoating and minimal influence on adhesion of coating films.

ADDSiL™ 8450 can provide good anti-shrinkage ability.

RECOMMENDED DOSAGE

The recommended dosage is 0.1~1.0% of the total formulations.

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The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

It is added during any stage of the production process including post-addition.

PACKING

ADDSiL™ 8450 is supplied in 25Kg / 200Kg plastic drum or steel drum or according to customer's request.

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.

STORAGE

In the original unopened packaging, ADDSiL™ 8450 has a shelf life of 12 months.

Separation or turbidity may occur at temperatures below 5°C. Warm to 20°C and mix well.

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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