

ADDSiL™ 8307 Silicone Leveling Agent

INTRODUCTION

ADDSiL™ 8307 is a polyether-modified polydimethylsiloxane solution. It is a highly effective silicone additive, provides a strong reduction of surface tension, therefore it improves the wetting of critical substrates.

EFFECTS

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

PHYSICAL PROPERTIES

Color and Appearance	Light yellow clear liquid
Solvent:	PMA
Flash Point	>70°C
Density _{25°C}	0.96 ~ 1.00 g/ml
Viscosity _{25°C}	≥ U (Bubble viscometer)
Content _{105°C, 3h}	89 ~ 95%
Composition	Polyether modified polydimethyl siloxane

BENEFITS

- Strong reduction of surface tension.
- Reduce the friction coefficient.
- Increased slip and improve scratch resistance.
- Provide excellent recoating and minimal influence on adhesion of coating films.
- Excellent anti-cratering ability, widely used in replacing oil-resistant agent.
- Not affect the environment and recoatability.

APPLICATIONS

- Solvent-borne coatings.
- UV curing coatings.
- Water based coatings.
- ADDSiL™ 8307 can be used in pigmented systems to prevent the formation of Bénard cells and improve leveling.
- ADDSiL™ 8307 is recommended for polyurethane and epoxy systems.

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RECOMMENDED DOSAGE

The recommended addition of ADDSiL™ 8307 is 0.05 ~ 0.50% of the total formulations.

Diluted before addition, ADDSiL™ 8307 is added during any stage of the production process including post-addition.

PACKING

ADDSiL™ 8307 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™ 8307 has a shelf life of 24 months.

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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