

ADDSiL™ 8323 Silicone Leveling Agent

INTRODUCTION

ADDSiL™ 8323 is an aralkyl-modified polymethylalkylsiloxane, it is for solvent-borne coating systems with a slight reduction of surface tension and slight increase of surface slip. Thermostable up to 250°C. It can provide good leveling with defoaming properties.

Effects

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

PHYSICAL PROPERTIES

Color and Appearance	Transparent to slight yellowish clear liquid
Active Ingredient	100%
Density 25°C	1.0

BENEFITS

- Light reduction of surface tension.
- Slight increase of surface slip.
- Good leveling.
- Good defoaming.
- Thermostable.

APPLICATIONS

- Solvent-borne coatings.

ADDSiL™ 8323 provides a slight reduction of the surface tension of coating systems.

ADDSiL™ 8323 is a silicone leveling additive which has a defoaming effect/does not stabilize or only slightly stabilizes the foam depending on the polarity of the coating system.

ADDSiL™ 8323 is thermostable up to 250°C and does not negatively impact the intercoat adhesion.

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In matt coatings ADDSiL™ 8323 is used to orientate the matting agent.

In wood and furniture coatings, ADDSiL™ 8323 is used to orient the flattening agent in flat topcoats and in multi-coat systems. Even in difficult to flat high-solids coating systems, such as polyurethane, acid curing and unsaturated polyester coatings, its usage does not lead to shining up. In addition, optimal orientation of the flattening agent is achieved.

In flow coatings, ADDSiL™ 8323 stabilizes the flow curtain, and in metallic coatings it ensures consistent orientation of the aluminum pigments.

ADDSiL™ 8323 can prevent Bénard cell formation.

ADDSiL™ 8323 can increase the smoothness of the surface, therefore it improves the scratch resistance and abrasion resistance.

RECOMMENDED DOSAGE

The recommended dosage is 0.1~0.4% of the total formulations.

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

The additive can be incorporated during any stage of the production process, including post-addition.

PACKING

ADDSiL™ 8323 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™ 8323 has a shelf life of 24 months.

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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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