

ADDSiL™ 1223 Silicone Leveling Agent

INTRODUCTION

ADDSiL™ 1223 is an aralkyl-modified polysiloxane surface additive designed for solvent-borne coating systems. It slightly reduces surface tension, improves surface slip, and provides excellent leveling and defoaming performance. The additive exhibits outstanding thermal stability and does not impair intercoat adhesion even at elevated curing temperatures up to 250 °C.

EFFECTS

Leveling:	★★★★★
Wetting:	★★★★★
Recoating Ability:	★★★★★
Compatibility:	★★★
Slip Effect:	★★★★★
Low Foaming Stability:	★★★★★
Anti-Cratering:	★★★★★
Anti-Blocking:	★★★★★

BENEFITS

- Slightly reduces surface tension, improves substrate wetting.
- Provides leveling with defoaming effect; low foam stabilization.
- Excellent thermal stability, no negative impact on intercoat adhesion.
- Enhances matting agent orientation in matt and high-solid coatings.
- Improves flow curtain stability and metallic pigment orientation.

PHYSICAL PROPERTIES

Appearance	Transparent liquid
Color	Colorless to yellowish
Active Ingredient	Aromatic modified polysiloxane
Active Content	100%

APPLICATIONS

ADDSiL™ 1223 is suitable for a wide range of solvent-borne coating systems, including automotive, wood, plastic and industrial coatings.

ADDSiL™ 1223 improves substrate wetting and leveling while effectively controlling foam without stabilizing it. The additive is especially effective in high-solid and matt coatings, where it enhances matting agent orientation and prevents flooding or floating.

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ADDSiL™ 1223 also stabilizes flow in curtain coating processes and optimizes the orientation of metallic and effect pigments, contributing to uniform appearance and improved surface quality.

RECOMMENDED DOSAGE

The recommended dosage is 0.1-1.0% of the total formulations. 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™ 1223 is supplied in 25Kg plastic pail.

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

When stored at temperatures between 10°C and 35°C in the original unopened containers, ADDSiL™ 1223 has a shelf life of 24 months from the date of production.

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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