

# ADDSiL™ 8333 Silicone Leveling Agent

## INTRODUCTION

ADDSiL™ 8333 is a polyether-modified polydimethylsiloxane, it is a surface additive for solvent-free, solvent-borne and aqueous coating systems, printing inks and adhesive systems as well as ambient-curing plastic systems.

## 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%
Flash Point	>100°C
Density 25°C	1.01~1.05g/ml
Viscosity 25°C	T~W (Bubble viscometer)

## BENEFITS

- Strong reduction of surface tension.
- Improved substrate wetting.
- Avoid cratering.
- Improved surface smoothness and scratch resistance.
- Improved anti-blocking property in aqueous systems.
- Good compatibility.

## APPLICATIONS

- Solvent based.
- UV Curing.
- Water based.

ADDSiL™ 8333 additive provides a strong reduction of the surface tension of the coatings and printing inks. It therefore particularly improves substrate wetting and avoids cratering. Surface slip and gloss are also increased.

In aqueous systems it improves the anti-blocking properties. ADDSiL™ 8333

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additive is particularly recommended for all solvent-borne, solvent-free and aqueous coatings, printing inks and overprint varnishes.

ADDSiL™ 8333 is a highly effective silicone additive in adhesives and sealants. It provides a strong reduction of surface tension, thereby improving the wetting of critical substrates. ADDSiL™ 8333 is particularly recommended for improving the substrate wetting of adhesive systems based on polyurethanes, epoxies and acrylates.

### RECOMMENDED DOSAGE

The recommended dosage is 0.05~0.5% of the total formulations, and 0.3~1% in UV and water systems.

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

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

ADDSiL™ 8333 is supplied in 20Kg / 180Kg 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™ 8333 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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