

ADDSiL™ 8311 Silicone Leveling Agent

INTRODUCTION

ADDSiL™ 8311 is pure polyether modified polydimethylsiloxane..

Effects

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

PHYSICAL PROPERTIES

Color and Appearance	Slight yellowish paste liquid
Active Ingredient	100%
Density 25°C	0.88~0.92g/ml (25% Xylene solution)
Viscosity 25°C	5~25s (T-4 viscometer)
Recommended Levels	0.1~0.5% (25% Xylene solution)

BENEFITS

- Reduced surface tension of coating systems.
- Improved substrate wetting.
- Avoids cratering.
- Increased surface slip and gloss.
- Thermostable, can be used for baking system.
- Good recoating and no loss in in adhesion.

APPLICATIONS

- Solvent based
- UV Curing

ADDSiL™ 8311 is silicone-based surface additive for solvent-borne and UV curing system. It can provide strong reduction of the surface tension of coating systems. It therefore particularly improves substrate wetting and avoids cratering. Surface slip and gloss are also increased.

ADDSiL™ 8311 is a thermostable silicone additive which, in contrast to conventional silicones, shows no thermal decomposition at high temperature.

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RECOMMENDED DOSAGE

The recommended dosage is 0.1~0.5% (25% Xylene solution) 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.

ADDSiL™ 8311 should be diluted before addition (25% Xylene solution is recommended).

PACKING

ADDSiL™ 8311 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™ 8311 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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