

ADDSiL™ 1420 Silicone Leveling Agent

INTRODUCTION

ADDSiL™ 1420 is a modified silicone additive designed for solvent-based coating systems. It effectively improves flow and leveling, enhances surface slip and scratch resistance, and helps eliminate surface defects such as craters and Bernard cells. In matte systems, it promotes pigment orientation. It also provides outstanding antifoam efficiency at elevated temperatures.

EFFECTS

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

PHYSICAL PROPERTIES

Appearance	Light yellow transparent liquid
Ingredient	Alkyl-aryl modified polysiloxane
Content (%)	100%

Note: These values are typical and are not intended for use as specifications.

APPLICATIONS

In solvent-based wood coatings, ADDSiL™ 1420 helps maintain film integrity during curtain coating.

In addition to enhancing leveling in solventless and water-based wood coatings, it also improves mar resistance in solvent-based industrial coatings.

Furthermore, ADDSiL™ 1420 aids in the dispersion of damp pigments and promotes pigment orientation in metallic-effect finishes.

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.

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It is added during any stage of the production process including post-addition.

PACKING

ADDSiL™ 1420 is supplied in net weight 25kg pail or 200kg drum.

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™ 1420 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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