

BYK-300 SG

Silicone surface additive for solvent-borne coating systems with a medium reduction of surface tension and a medium increase of surface slip.

Product data

Composition

Solution of a polyether-modified polydimethylsiloxane

Typical properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Density (20 °C):	0.94 g/ml
Non-volatile matter (60 min, 105 °C):	52 %
Solvents:	Xylene/isobutanol 4/1
Flash point:	23 °C

Applications

Coatings industry

Special features and benefits

The additive provides a medium reduction of surface tension in the coating systems. It increases slip and improves leveling and gloss. Silicone additives prevent the formation of Bénard cells. BYK-300 SG also improves substrate wetting and anti-blocking properties.

Recommended use

BYK-300 SG is broadly compatible and suitable for all solvent-borne systems.

Recommended levels

0.1–0.3 % additive (as supplied) based upon total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

The additive can be incorporated during any stage of the production process, including post-addition. Thinning before incorporation may make dosing easier.

Special note

Unlike so-called silicone oils, this additive is very user-friendly. However, before use, one should determine in test series whether foam is stabilized in certain systems and check the recoatability and crater development.



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This issue replaces all previous versions.