

BYK-300

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 (68 °F):	7.84 lbs/US gal
Non-volatile matter (10 min., 302 °F):	52 %
Solvents:	Xylene/isobutanol 4/1
Flash point:	73 °F

Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

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 also improves substrate wetting and anti-blocking properties.

Recommended Use

BYK-300 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. Optimal levels are determined through a series of laboratory tests.

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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.