# 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 (20 °C): | 0.94 g/ml |
| Non-volatile matter (10 min., 150 °C): | 52 % |
| Solvents: | Xylene/Isobutanol 4/1 |
| Flash point: | 23 °C |

**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.

## 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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