

# BYK-342

Silicone-containing surface additive for solvent-borne, solvent-free and aqueous coating systems with a strong reduction in the surface tension. Excellent substrate wetting, prevents cratering and increases 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):	0.99 g/ml
Non-volatile matter (10 min., 150 °C):	52 %
Solvents:	Dipropylene glycol monomethyl ether
Flash point:	76 °C

### Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit [www.byk.com](http://www.byk.com) for further information.

### Special Note

The additive is the fluorine-free alternative to BYK-341 and BYK-344 and replaces both products.

## Applications

### Coatings Industry

#### Special Features and Benefits

The additive provides a strong reduction in the surface tension of coating systems. It therefore especially improves substrate wetting and prevents cratering. Surface slip, gloss and anti-blocking are also increased.

#### Recommended Use

The additive is particularly recommended for all solvent-borne, solvent-free and aqueous coatings.

#### 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.

**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.



Additive Guide

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