

BYK-325

Silicone-containing surface additive for solvent-borne coatings with a slight reduction in surface tension and slight increase in surface slip. Good leveling prevents the ghosting effect.

Product Data

Composition

Solution of a polyester-modified polymethylalkylsiloxane

Typical Properties

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

Density (68 °F):	8.30 lbs/US gal
Non-volatile matter (60 min, 221 °F):	52 %
Solvents:	Alkylbenzenes/butyrolactone 1/1
Flash point:	> 115 °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.

Storage and Transportation

The product may solidify below 15 °C (59 °F). Warm to < 50 °C (< 122 °F) and mix well.

Applications

Coatings Industry

Special Features and Benefits

The additive provides only a slight reduction in the surface tension of the coating systems and ensures good leveling. BYK-325 prevents problems with ghosting and telegraphing if the coating is recoated. In order to prevent this defect the additive must be used in the coating layer that is to be recoated.

Recommended Use

The additive is recommended for all solvent-borne coatings.

Recommended Levels

0.05-0.6% additive (as supplied) based on the 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.

Special Note

Unlike so-called silicone oils, this additive is very user-friendly. However, before use, one should determine in a test series whether foam is stabilized in certain systems. Similarly, the recoating ability and cratering should be investigated.



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