BYK-077 SG

Silicone-containing leveling additive with good defoaming properties for solvent-borne coating systems.

Product data

Composition
Solution of a polymethylalkylsiloxane

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

Density (20 °C):	0.89 g/ml
Non-volatile matter (10 min, 150 °C):	52 %
Solvents:	Alkylbenzenes
Flash point:	45 °C

Special note
The additive is also available solvent-free under the name BYK-085.

Applications

Coatings industry

Special features and benefits
BYK-077 SG is a silicone-based leveling additive which also prevents the formation of foam and bubbles in the production and processing of solvent-borne coatings in the non-polar to highly polar domain. When re-coating, it does not cause rewetting difficulties or defects in the intercoat adhesion.

Recommended levels
0.05–0.6 % 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.

Special note
Overdosage can lead to turbidity in glossy, clear coatings and haze in pigmented systems.

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