

BYK-077

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

Product data

Composition

Solution of polysiloxanes

Typical properties

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

Density (20 °C):	0.89 g/cm ³
Non-volatile matter (10 min, 150 °C):	52 %
Solvent:	alkylbenzenes
Flash point:	45 °C
Delivery form:	liquid

Storage and transportation

Product shelf life in unopened original packaging: 60 months
 Do not exceed 50 °C.

Special note

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

Applications

Coatings industry

Special features and benefits

BYK-077 is a silicone-based defoamer which 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 use

Automotive OEM coatings	<input type="checkbox"/>
Automotive refinish coatings	<input type="checkbox"/>
General industrial coatings	<input type="checkbox"/>
Marine and protective coatings	<input type="checkbox"/>
Wood and furniture coatings	<input type="checkbox"/>

especially recommended recommended

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.



Your local
contact

BYK-Chemie GmbH

Abelstraße 45
46483 Wesel
Germany
Tel +49 281 670-0
info@byk.com
www.byk.com



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