

BYK-1770

Silicone-containing defoamer for aqueous architectural coatings, as well as detergents, cleaning and care products. Particularly suitable for high build systems applied by airless/airmix.

Product Data

Composition

Polyether-modified polydimethylsiloxane

Solvent free

Typical Properties

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

Density (20 °C): 1.01 g/ml
Refractive index (20 °C): 1.4395
Active substance: 100 %

Applications

Coatings and Printing Inks

Special Features and Benefits

BYK-1770 is particularly effective in acrylate-based and polyurethane/acrylate aqueous thick layer systems with airless/airmix application. It prevents the formation of microfoam and is suitable for pigmented systems and clear coatings. It has no negative influence on transparency and gloss in high-gloss systems. BYK-1770 is solvent free.

Recommended Use

Architectural coatings and thick layer systems (joinery)	<input checked="" type="checkbox"/>
Industrial coatings	<input type="checkbox"/>
Wood and furniture coatings	<input type="checkbox"/>

☒ especially recommended ☐ recommended

Recommended Levels

0.3-1 % 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.

Incorporation and Processing Instructions

In pigmented systems, the additive is preferably added to the millbase. When used in clear coatings or in the let-down, ensure sufficiently high shear forces so as to guarantee a good incorporation without craters.

Special Note

To improve the leveling and surface properties, we recommend combination of BYK-348 with AQUACER 539 for optimum substrate wetting and outstanding anti-blocking properties.

Detergents, Cleaning and Care Products**Special Features and Benefits**

BYK-1770 is a silicone-containing defoamer for aqueous care products and cleaning agents which can demonstrate its defoaming effect already during manufacture. This effect is maintained after the application.

Recommended Levels

0.1-0.5 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. Optimal dosages are determined through a series of laboratory tests.

Incorporation and Processing Instructions

The additive is preferably added at the start of the formulation, however it can also be used at any stage of manufacture.



Additive Guide



BYK-Chemie GmbH
P.O. Box 10 02 45
46462 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com

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