

BYK-1786

Silicone-containing defoamer for aqueous systems to remove microfoam generated during application.

Product Data

Composition

Emulsion of hydrophobic solids and foam-destroying polysiloxanes

VOC-free (< 1500 ppm),
APEO-free

Typical Properties

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

Density (20 °C):	1.00 g/ml
Non-volatile matter (60 min., 105 °C):	25 %
Solvents:	Water
Flash point:	> 100 °C

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

To be stored and transported between 0 °C and 40 °C. Temperature-sensitive emulsion. The product must be tested if the recommended storage temperature is exceeded or is lower than recommended.

Applications

Coatings Industry

Special Features and Benefits

BYK-1786 is very effective in aqueous systems, particularly in systems applied with airless or airmix application. The additive can be used both in pigmented systems and also with clear coats. It is exceptionally good at removing microfoam from paint, and doesn't affect the transparency or the gloss in high-gloss systems. BYK-1786 has an excellent defoaming effect in aqueous UV systems too.

Recommended Use

Architectural coatings	<input checked="" type="checkbox"/>
Wood and furniture coatings	<input checked="" type="checkbox"/>
Protective coatings	<input type="checkbox"/>
Industrial coatings	<input type="checkbox"/>
Floor coatings	<input checked="" type="checkbox"/>

especially recommended recommended

Recommended Levels

0.2-1 % additive (as supplied) based on the total formulation, in exceptional cases up to 1.5 %.

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. Sufficiently high shear forces must be applied.

Household, Industrial and Commercial Cleaning Agents and Care Products**Special Features and Benefits**

BYK-1786 is a silicone-containing defoamer for aqueous care products and cleaning agents, which can demonstrate its considerable defoaming effect already during manufacture. This effect is maintained after the application.

Recommended Levels

0.1-0.3 % 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

The additive is preferably added at the start of the formulation, however it can also be used at any stage of manufacture. Sufficiently high shear forces should be applied when incorporating into low viscosity polishes.

Adhesives & Sealants**Special Features and Benefits**

BYK-1786 is an effective, silicone-containing defoamer for aqueous adhesive systems. The additive prevents foam, both during production and during application. BYK-1786 combines an effective defoaming effect with easy incorporation and good compatibility. The product can be used in Ecolabel-compliant adhesive formulations.

Recommended Levels

0.1-1 % 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

The additive can be added at any time during production. Sufficiently high shear forces must be applied.



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