

BYK-012

Polymer-based, VOC- and silicone-free defoamer for aqueous coatings, printing inks and adhesives. Especially recommended for high-quality architectural coatings. Optimal effect at the lowest dosage.

Product Data

Composition

Mixture of foam-destroying polymers and hydrophobic solids

VOC-free (< 1500 ppm)
Does not contain
alkylphenol ethoxylates

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

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

Separation possible. Mix well before use. The additive is not frost sensitive, although storage at 10-25 °C is recommended for optimum handling.

Applications

Coatings Industry

Special Features and Benefits

BYK-012 is especially recommended as a defoamer in the preparation and application of emulsion paints and plasters within a PVC range of 30-85. The additive is free of silicones and mineral oil, and is especially suitable for VOC-free systems. It exhibits an optimal effect at the lowest dosage, is stable to acids and alkalis, and can be used in the pH range 3-12. BYK-012 can lead to turbidity and seeding in clear coatings.

Recommended Use

Architectural Coatings	<input checked="" type="checkbox"/>
Wood and Furniture Coatings	<input type="checkbox"/>
Leather Finishes	<input type="checkbox"/>
Protective Coating Systems	<input type="checkbox"/>

☒ especially recommended ☐ recommended

Recommended Levels

0.05-0.5 % additive (as supplied) based upon 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.

Printing Inks and Overprint Varnishes**Special Features and Benefits**

BYK-012 is especially recommended as a defoamer for aqueous printing inks. The additive is free of silicones and mineral oil, and exhibits an optimal effect at the lowest dosage. BYK-012 can lead to turbidity and seeding in overprint varnishes.

Recommended Levels

0.1-0.5 % additive (as supplied) based upon 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.

Adhesives & Sealants**Special Features and Benefits**

BYK-012 is a highly effective defoamer for all current dispersion adhesives, and inhibits foaming during both production and application. It is a particularly good defoamer for polyacrylate-based dispersion adhesives. The product is free of silicones and mineral oil, and is especially recommended for VOC-free systems. It exhibits an optimal effect at the lowest dosage, is stable to acids and alkalis, and can be used in the pH range 3-12.

Recommended Levels

0.05-0.5 % additive (as supplied) based upon 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.



Additive Guide



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This information is given to the best of our knowledge. Because of the multitude of formulations, production, and application conditions, all the above-mentioned statements have to be adjusted to the circumstances of the processor. No liabilities, including those for patent rights, can be derived from this fact for individual cases.

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