

BYK-024

VOC-free silicone-containing defoamer for aqueous emulsion lacquers, printing inks, overprint varnishes, and emulsion adhesives. Compatible defoamer. All-purpose and easy to incorporate.

Product Data

Composition

Mixture of foam-destroying polysiloxanes and hydrophobic solids in polyglycol

VOC-free (< 1500 ppm)

Typical Properties

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

Density (68 °F): 8.39 lbs/US gal

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 may occur. Mix well before use.

Applications

Printing Inks and Overprint Varnishes

Special Features and Benefits

BYK-024 is recommended for defoaming aqueous printing inks and overprint varnishes based on acrylate/polyurethane and polyurethane. Also for aqueous UV systems.

Recommended Levels

0.1-1 % 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. The amount of defoamer used is often divided (by adding 2/3 into the millbase and 1/3 into the let-down or finished product).

Coatings Industry

Special Features and Benefits

BYK-024 is recommended for defoaming high gloss emulsion systems based on acrylate/polyurethane and polyurethane in the pigment volume concentration range 0-25. The additive is effective when used in all standard application methods such as rolling, brushing, spraying and pouring.

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Recommended Levels

0.1-1 % 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. The amount of defoamer used is often divided (by adding 2/3 into the millbase and 1/3 into the let-down or finished product).

Adhesives

Special Features and Benefits

BYK-024 is recommended for defoaming aqueous emulsion adhesives.

Recommended Levels

0.05-1 % 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.

Glass fiber sizings

Special Features and Benefits

BYK-024 is recommended for defoaming when applying aqueous glass fiber sizings.

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 may be added at any time during production while stirring.



BYK USA Inc.
524 South Cherry Street
P.O. Box 5670
Wallingford, CT 06492
USA
Tel 203 265-2086
Fax 203 284-9158

cs.usa@byk.com
www.byk.com

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