

BYK-1724

VOC-free silicone-containing defoamer for aqueous coatings, printing inks, overprint varnishes, dispersion adhesives and cleaning agents. Compatible defoamer. All purpose and easy to incorporate.

Product Data

Composition

Emulsion of foam-destroying polysiloxanes, hydrophobic solids and emulsifying agents

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
Non-volatile matter (60 min, 105 °C): 27 %
Carrier: Water

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. If the storage temperature drops below or exceeds that recommended, the product should be checked and, if necessary, re-emulsified at room temperature.

Applications

Coatings Industry

Special Features and Benefits

BYK-1724 is recommended for defoaming aqueous coatings based on pure acrylate, acrylate/polyurethane and polyurethane in the pigment volume concentration range (PVC) 0-25. The additive is effective when used in all standard application methods such as rolling, painting, spraying, and pouring.

Recommended Levels

0.1-0.5 % additive (as supplied) based on the total formulation – in exceptional cases up to 1 %.

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 generally be added at any time during production. The defoamer should preferably be added to the let-down or be post-added.

Printing Inks and Overprint Varnishes

Special Features and Benefits

BYK-1724 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 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. 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-1724 is recommended for defoaming aqueous dispersion adhesives.

Recommended Levels

0.05-1 % 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.

Household, Industrial, and Commercial Cleaning Agents

Special Features and Benefits

BYK-1724 is an Ecolabel-compliant silicone-containing defoamer for aqueous care products and cleaning agents, which can demonstrate its considerable defoaming effect already during production. 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 levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

The additive is preferably added at the start of formulation, however it is possible to use it at any stage of manufacture.



Additive Guide



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