

## 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](http://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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