

## BYK-093

VOC-free silicone-containing defoamer for aqueous wood, architectural and industrial coatings and adhesives. Extremely all-purpose. The finished coating has outstanding long-term stability in cold and hot storage. Easy to incorporate. Suitable for clear coatings, pigmented systems and all common types of application.

### Product Data

#### Composition

Mixture of foam-destroying polysiloxanes and hydrophobic solids in polyglycol

**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): 1.04 g/ml

Refractive index (20 °C): 1.46

#### 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

Separation may occur. Mix well before use.

### Applications

#### Coatings Industry

##### Special Features and Benefits

This additive combines high efficiency with good compatibility in a multitude of systems and fields of applications. It has an excellent long-term effect at high and low temperatures. It is effective in pigmented and non-pigmented coatings and suitable for all degrees of gloss and common methods of application. As a result of its good compatibility it has only a slight tendency towards surface defects (cratering, haze) and is easily incorporated. BYK-093 can be combined with other defoamers and is ideal for modern co-solvent free binders, which are used for VOC-free and low-VOC coatings.

**Recommended Use**

Architectural Coatings	<input checked="" type="checkbox"/>
Wood and Furniture Coatings	<input checked="" type="checkbox"/>
Industrial Coatings	<input type="checkbox"/>
Can Coatings	<input type="checkbox"/>
Coil Coatings	<input type="checkbox"/>
Leather Finishes	<input type="checkbox"/>

☒ especially recommended    ☐ recommended

**Recommended Levels**

0.3-1 % additive (as supplied) based upon 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 added at any time during production. It requires only low shear forces for incorporation and can also be added as a post additive.

**Adhesives & Sealants****Special Features and Benefits**

BYK-093 is the standard defoamer with high efficiency and compatibility to defoam all common aqueous adhesive systems. It combines excellent and spontaneous defoaming properties with long-lasting effect and high storage stability at high and low temperatures. The additive is simple to use and does not influence transparency.

**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. It can be easily incorporated at low shear forces with the dissolver. Post addition is also possible.