

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 (68 °F): 8.71 lbs/US gal

Refractive index (68 °F): 1.46

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

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.