BYK-1740

"Green" defoamer based on environmentally friendly and sustainable raw materials for aqueous architectural coatings as well as adhesives with excellent defoaming effect. VOC-free and biodegradable.

• EPD certified

Product Data

Composition
Blend of hydrophobic solids and foam-destroying fat derivatives

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):	7.68 lbs/US gal
Non-volatile matter (10 min., 302 °F):	100 %

Does not contain any alkylphenol ethoxylates.

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
BYK-1740 is a very effective, sustainable defoamer based on renewable vegetable derivatives as a replacement for exhaustible raw materials such as mineral oils. The additive complies with globally applicable ecological standards and is suitable for preparing state-of-the-art "green" formulations: VOC-free (< 1500 ppm), free from formaldehyde (in accordance with VdL-RL 03) as well as mineral oils and silicones. BYK-1740 is odorless and biodegradable. The additive is resistant to yellowing and has good storage stability, both as a raw material as well as in the finished formulation.

Recommended Use
BYK-1740 is recommended for aqueous architectural coatings, particularly for emulsion paints with a PVC range of 40-85 and for emulsion plasters. It has no influence on the colorant acceptance.

The additive can also be used as a defoamer in polymerization processes.

Recommended Levels
0.2-0.5 % additive (as supplied) based on the total formulation, in exceptional cases up to 0.7 %.

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 incorporated in the millbase as well as in the letdown product. Sufficiently high shear forces must be applied when added to the letdown product.

Adhesives

Special Features and Benefits
BYK-1740 is a very effective, sustainable defoamer based on renewable vegetable derivatives as a replacement for exhaustible raw materials such as mineral oils. The additive complies with globally applicable ecological standards and is suitable for preparing state-of-the-art "green" formulations: VOC-free (< 1500 ppm), free from mineral oils and silicones. BYK-1740 is odorless and biodegradable. The additive is resistant to yellowing and has good storage stability, both as a raw material as well as in the finished formulation.

Recommended Use
BYK-1740 is recommended for aqueous filled emulsion adhesives. The additive can also be used as a defoamer in polymerization processes.

Recommended Levels
0.2-0.5 % 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
It is recommended that the additive is incorporated at the start of the production process. Sufficiently high shear forces must be applied for post-addition.

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