

# BYK-011

Silicone-free, polymer-based defoamer for aqueous coating systems (also radiation curable systems). Particularly recommended for two pack polyurethane systems. Very good recoatability.

## Product Data

### Composition

Mixture of foam-destroying polymers and hydrophobic solids, silicone-free

### Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Density (68 °F):	6.68 lbs/US gal
Non-volatile matter (10 min., 302 °F):	29 %
Solvents:	Hydrocarbons/ethylhexanol 21/1
Flash point:	162 °F

### 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 (32 °F) and 40 °C (104 °F). Separation or turbidity may occur during storage and transportation. Mix well before use.

## Applications

### Coatings Industry

#### Special Features and Benefits

BYK-011 is suitable for defoaming aqueous coatings (also radiation curable systems). The additive is silicone-free and mineral oil-free. It is particularly recommended for aqueous two-pack polyurethane systems and prevents the foam that occurs when adding the curing agent. BYK-011 is also suitable for clear coats and is used for defoaming ultrafiltrates.

#### Recommended Levels

1-2.5 % additive (as supplied) based on the total formulation in aqueous two-pack polyurethane systems.

0.1-1.5 % additive (as supplied) based on the total formulation in other aqueous systems.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

#### Incorporation and Processing Instructions

The defoamer can be very easily incorporated without effort required for dispersing and can also be used in the millbase as well as in the let-down.

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Data Sheet  
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Additive Guide



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