

# BYK-1815

PFAS-free, silicone-containing defoamer for solvent-borne and solvent-free coating systems, adhesives and sealants, and thermosets.

## Product data

### Composition

Solution of polysiloxanes

PFAS-free

### Typical properties

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

Density (20 °C): 0.89 g/ml  
Non-volatile matter (10 min, 150 °C): 10 %  
Solvents: Butyl acetate  
Flash point: 26 °C

## Applications

### Coatings industry

#### Special features and benefits

BYK-1815 is a highly effective defoamer for solvent-borne and solvent-free coating systems. Even at low dosing levels, optimal and spontaneous defoaming can be achieved.

#### Recommended use

|                             |                                     |
|-----------------------------|-------------------------------------|
| Architectural coatings      | <input type="checkbox"/>            |
| Floor coatings              | <input type="checkbox"/>            |
| Marine coatings             | <input checked="" type="checkbox"/> |
| Protective coatings         | <input checked="" type="checkbox"/> |
| General industrial coatings | <input checked="" type="checkbox"/> |

☒ especially recommended ☐ recommended

#### Recommended levels

0.1–1 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

#### Incorporation and processing instructions

To achieve optimal defoaming, the defoamer should be added to the millbase. If it is incorporated later, sufficient shear forces must be applied to ensure a good defoamer distribution and to prevent crater formation.

## Adhesives and sealants

### Special features and benefits

BYK-1815 is a highly effective defoamer for solvent-borne and solvent-free adhesive systems. It is particularly recommended for systems based on polyurethane and epoxy resins, in which it achieves optimal defoaming and good compatibility.

### Recommended levels

0.1–1 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

### Incorporation and processing instructions

In order to achieve optimal defoaming, the defoamer should be incorporated into the resin with adequate shear forces before adding other components. You can also add the product to finished systems.

## Thermosets

### Special features and benefits

BYK-1815 is a highly effective air release agent, which reduces the formation of foam during the manufacture and processing of epoxy resin systems to obtain blister-free surfaces.

### Recommended use

This additive is especially recommended for casting systems (polymer concrete formulation, electrical castings) based on epoxy resin and polyurethane.

### Recommended levels

0.1–0.7 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

### Incorporation and processing instructions

The additive is stirred into the resin before adding other components. You can also add the product to finished systems.



Your local  
contact

**BYK-Chemie GmbH**  
Abelstraße 45  
46483 Wesel  
Germany  
Tel +49 281 670-0  
Fax +49 281 65735

info@byk.com  
www.byk.com

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This issue replaces all previous versions.