

# BYK-1710

Emissions-free polymer-based defoamer for aqueous, low-emission coatings and adhesives. Silicone-free and mineral oil-free. Very effective in alkyd emulsions and hybrid systems. Complies with guidelines such as, for example, AgBB in Germany and "Le Grenelle Environnement" in France.

## Product Data

### Composition

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

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

Active substance: 100 %

### 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 at temperatures between 0 °C (32 °F) and 50 °C (122 °F). Separation possible. Mix well before use.

## Applications

### Coatings Industry

#### Special Features and Benefits

BYK-1710 has very good defoaming properties, especially in alkyd emulsions, hybrid systems as well as polyurethane and epoxy coatings. The additive has no or only a minor influence on recoatability and surface slip and reduces cissing (brush marks when recoating). The defoamer is easy to incorporate and emissions-free.

#### Recommended Use

Automotive coatings	<input checked="" type="checkbox"/>
Industrial coatings	<input checked="" type="checkbox"/>
Wood and furniture coatings	<input checked="" type="checkbox"/>
Architectural coatings	<input checked="" type="checkbox"/>
Protective coatings	<input checked="" type="checkbox"/>
Overprint varnishes	<input type="checkbox"/>

☒ especially recommended    ☐ recommended

**Recommended Levels**

0.1-0.5 % 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**

The additive can be incorporated in the millbase as well as in the letdown. Sufficiently high shear forces must be applied when used in the letdown.

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

BYK-1710 is a highly effective defoamer for all common dispersion adhesives, such as acrylate, polyurethane, and EVA dispersions. It prevents foam, both during production and during application. The product is free of silicones and mineral oil, and is especially recommended for VOC-free systems.

**Recommended Levels**

0.1-0.8 % 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**

The additive can be added at any time during production. Sufficiently high shear forces must be applied.



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