

# BYK-A 530

Silicone and polymer-containing defoamer/air release additive for solvent-borne and solvent-free coatings, for plastic systems (ambient-curing and pultrusion applications), adhesives and sealants. Particularly recommended for epoxy resin systems.

## Product Data

### Composition

Solution of foam-destroying polymers and polysiloxanes

### Typical Properties

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

Density (20 °C): 0.81 g/ml  
 Refractive index (20 °C): 1.448  
 Solvents: Hydrocarbon mixture  
 Flash point: 95 °C

### 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.

## Applications

### Coatings Industry

#### Special Features and Benefits

BYK-A 530 is a highly effective defoamer and air release additive for solvent-borne and solvent-free coating systems. It is effective during manufacture and processing and is particularly recommended for epoxy resin systems.

#### Recommended Use

Protective coating systems	<input checked="" type="checkbox"/>
Industrial coatings	<input type="checkbox"/>
Architectural coatings	<input type="checkbox"/>
Wood and furniture coatings	<input type="checkbox"/>

especially recommended     recommended

### **Recommended Levels**

0.2-0.8 % 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**

To achieve optimal defoaming, the defoamer should be added already to the millbase. If incorporating at a later stage, sufficiently high shear forces must be applied to ensure a good distribution and to prevent cratering.

## **Ambient-curing Plastic Systems**

### **Special Features and Benefits**

BYK-A 530 is a highly effective air release additive, which reduces the formation of foam during the manufacture and processing of epoxy resin systems to obtain blister-free surfaces.

### **Recommended Levels**

0.5-2 % 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**

Stir into the resin before adding other components. It is also possible to add the additive to finished systems.

## **Pultrusion of Plastic Systems**

### **Special Features and Benefits**

Prevention of air entrapment during manufacture and application (pultrusion). Particularly recommended for plastic systems which are based on epoxy resins.

### **Recommended Levels**

0.5-2 % additive (as supplied) based upon the resin and curing agent.

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

### **Incorporation and Processing Instructions**

Stir into the resin before adding other components.

## **Adhesives & Sealants**

### **Special Features and Benefits**

BYK-A 530 is a highly effective air release additive, which reduces the formation of foam during the manufacture and processing of adhesives and sealants. Particularly recommended for epoxy resin-based systems.

### **Recommended Levels**

0.5-2 % 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**

Stir into the resin before adding other components.

## BYK-A 530

Data Sheet  
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Additive Guide



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