

# BYK-A 515

Silicone-free polymer-based air release additive for solvent-borne and solvent-free epoxy and PUR systems and adhesives. Improves fiber wetting and is also used in pultrusion. For highly thixotropic gel coats and acrylic resins (syrup).

## Product Data

### Composition

Solution of foam-destroying polymers, silicone-free

### 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):	1.439
Flash point:	43 °C
Hazen color number:	< 100
Turbidity:	< 3 TE/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.

## Applications

### Ambient Curing Systems

#### Special Features and Benefits

BYK-A 515 is a highly surface-active air release additive with fiber wetting properties for unsaturated polyester resins and vinyl ester resins. In hand lay-up and fiber spray-up procedures, BYK-A 515 is often used in combination with BYK-A 555 or BYK-A 501. In highly thixotropic gel coats, BYK-A 515 is often the only effective air release additive. BYK-A 515 is also used in acrylic resins (syrup) to prevent air entrapment.

#### Recommended Use

All-purpose air release additive for ambient-curing plastic systems that are based on unsaturated polyester resins, vinyl ester resins and acrylates. In some resins BYK-A 515 can cause haze.

#### Recommended Levels

0.1-0.5 % 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.

## Adhesives & Sealants

### Special Features and Benefits

BYK-A 515 is a defoamer with fiber wetting properties for all solvent-containing and solvent-free adhesives and sealants. It is particularly recommended for acrylate systems and is also used in polyurethane systems.

### Recommended Levels

0.1-0.5 % 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.

## Pultrusion

### Special Features and Benefits

Improves fiber wetting in the manufacture and application (pultrusion) of plastic systems.

### Recommended Use

Recommended for systems based on acrylates, unsaturated polyesters or vinyl ester resins.

### Recommended Levels

0.5 phr additive as supplied.

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.



Additive Guide



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