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 (68 °F):	6.76 lbs/US gal
Refractive index (68 °F):	1.439
Flash point:	109 °F
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 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.

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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

Available on the App Store

Google play

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