

BYK-A 515

Silicone-free polymer-based air release agent for solvent-borne and solvent-free epoxy, UP/VE and PUR systems and adhesives. Improves the fiber wetting and is particularly used in vinyl ester resins, highly thixotropic gel coats and acrylate resins (syrops).

Product Data

Composition

Solution of polyalkylene ether

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

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.



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This issue replaces all previous versions.