

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 (68 °F): 6.76 lbs/US gal
Refractive index (68 °F): 1.448
Solvents: Hydrocarbon mixture
Flash point: 203 °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

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.

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Data Sheet
Issue 10/2016



Additive Guide



BYK USA Inc.
524 South Cherry Street
P.O. Box 5670
Wallingford, CT 06492
USA
Tel 203 265-2086
Fax 203 284-9158

cs.usa@byk.com
www.byk.com

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This issue replaces all previous versions – Printed in the USA