

BYK-354

Polyacrylate-based surface additive for solvent-borne and solvent-free coatings, for UV-curing printing inks and overprint varnishes and ambient curing plastic systems. Standard leveling additive with a deaerating effect.

Product Data

Composition

Solution of a polyacrylate

Typical Properties

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

Density (68 °F):	7.91 lbs/US gal
Non-volatile matter (20 min., 302 °F):	51 %
Solvents:	Solvent Naphtha/diisobutyl ketone 9/1
Flash point:	113 °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 and Printing Inks

Special Features and Benefits

The additive is used as an anti-cratering and leveling additive, increases gloss and gives a long wave effect. It only provides a minor reduction of the surface tension and does not negatively influence the recoating/overprinting capabilities and intercoat adhesion. As a result of its high molecular weight and its non-polar structure it also has a deaerating effect. The additive is thermally stable.

Recommended Use

The additive is recommended for solvent-borne and solvent-free coating systems, UV-curing printing inks and overprint varnishes.

Recommended Levels

0.1-1.5 % additive (as supplied) based upon total formulation.

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

Incorporation and Processing Instructions

The additive can be incorporated during any stage of the production process, including post-addition. Better deaeration can be achieved by adding to the mill base.

Ambient-curing Plastic Systems**Special Features and Benefits**

The additive is used as an anti-cratering and leveling additive, increases gloss and also has a deaerating effect as a result of its high molecular weight and non-polar structure. It only reduces surface tension slightly. The additive is thermally stable.

Recommended Use

The additive is recommended for all ambient curing resin systems such as unsaturated polyester resins and epoxy resins.

Recommended Levels

0.1-1.5 % 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

The additive can be incorporated during any stage of the production process, including post-addition. Better deaeration can be achieved by adding to the mill base.



Additive Guide



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