

# 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 (20 °C):                       | 0.95 g/ml                             |
| Non-volatile matter (20 min., 150 °C): | 51 %                                  |
| Solvents:                              | Solvent Naphtha/diisobutyl ketone 9/1 |
| Flash point:                           | 45 °C                                 |

### 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

### 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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