

# BYK-359

Polyacrylate-based surface additive for solvent-borne and solvent-free coatings and powder coatings to improve leveling with a degassing effect. It is preferably used in industrial coatings and can coatings.

## Product Data

### Composition

Polyacrylate

### Typical Properties

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

Density (68 °F): 8.43 lbs/US gal

### 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.

### Special Note

The additive is thermally stable up to approx. 240 °C (464 °F).

## Applications

### Liquid Coatings

#### Special Features and Benefits

The additive is used as an anti-cratering and leveling additive in all solvent-borne and solvent-free coatings. It increases gloss and produces a long wave effect. It also has a degassing and defoaming effect. The additive reduces the surface tension only to a slight extent, and does not impair the recoatability and the intercoat adhesion.

#### Recommended Levels

0.05-0.7 % additive (as supplied) based on the 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.

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### Powder Coatings

#### Special Features and Benefits

The additive combines the best anti-cratering effect with optimum leveling and DOI (distinctness of image). Fish eyes and pinholes in the powder coating layer are prevented. Its low viscosity and good compatibility enable easy incorporation in the resin when producing the master batch.

#### Recommended Use

The additive is recommended for manufacturing resin master batches for powder coatings, especially for powder clear coatings.

#### Recommended Levels

0.5-15 % additive (as supplied) based on the resin.

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 is added to the powder coating resin at the end of the manufacturing process and mixed with the resin.



Additive Guide



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