

# DISPERBYK-2015

VOC- and solvent-free wetting and dispersing additive for aqueous coatings, printing inks and adhesives. For binder-free pigment concentrates.

## Product Data

### Composition

Solution of a structured acrylate copolymer with pigment-affinic groups

### Typical Properties

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

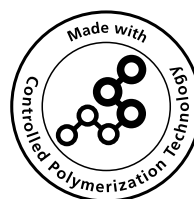
Acid value: 10 mg KOH/g  
Density (20 °C): 1.06 g/ml  
Non-volatile matter (10 min., 150 °C): 40 %  
Solvents: Water

### 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.

### Storage and Transportation

Separation or turbidity may occur at temperatures below 0 °C. Warm to 20 °C and mix well.



VOC-free (< 1500 ppm)

## Applications

### Coatings and Printing Inks

#### Special Features and Benefits

DISPERBYK-2015 deflocculates pigments by means of steric stabilization. Due to the small particle size of the deflocculated pigments, high levels of gloss can be achieved and the color strength improved. The transparency and hiding power is also increased. DISPERBYK-2015 reduces viscosity, which improves leveling and makes a higher pigment load possible.

#### Recommended Use

Coil coatings	■
Wood and furniture coatings	■
Architectural coatings	■
Leather coatings	□
Printing inks	□

■ especially recommended □ recommended

DISPERBYK-2015 is particularly recommended for producing binder-free, stable pigment concentrates for non-floating aqueous coatings and printing inks. Pigment dispersion should only take place in water (without binders, amines or co-solvents). DISPERBYK-2015 is VOC-free and is suitable for only aqueous systems.

### Recommended Levels

Amount of additive (as supplied) based on the pigment:

Inorganic pigments:	12.5-30 %
Titanium dioxides:	2.5-7.5 %
Organic pigments:	30-75 %
Carbon blacks:	100-150 %

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

### Incorporation and Processing Instructions

To produce binder-free pigment concentrates, simply mix the additive with the water. Only add pigments once the additive has been uniformly distributed. Pigment dispersion should only take place in water (without binders, amines or co-solvents).

## Adhesives

### Special Features and Benefits

DISPERBYK-2015 deflocculates fillers and pigments through steric stabilization. The additive reduces viscosity, enabling easier processing or higher filler loading.

### Recommended Use

DISPERBYK-2015 is recommended for all aqueous dispersion adhesives. The additive is VOC-free and is suitable for only aqueous systems.

### Recommended Levels

Amount of additive (as supplied) based on the pigment:

Titanium dioxides:	2.5-7.5 %
Carbon blacks:	100-150 %
Inorganic fillers:	0.5-1 %

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

### Incorporation and Processing Instructions

For optimum performance, the additive should be added to the system before the incorporation of the fillers and pigments.



Additive Guide



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