

# DISPERBYK-2012

Wetting and dispersing additive for aqueous coatings and printing inks. Particularly suited for grinds that contain binders (emulsions and water-reducible resins) as well as for binder-free pigment concentrates.

## Product Data

### Composition

Solution of a copolymer with pigment-affinic groups

### Typical Properties

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

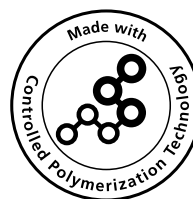
Amine value:	7 mg KOH/g
Acid value:	7 mg KOH/g
Density (20 °C):	1.06 g/ml
Non-volatile matter (20 min., 150 °C):	40 %
Solvents:	Water

### 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 5 °C. Warm to 20 °C and mix well.









## Applications

### Coatings and Printing Inks

#### Special Features and Benefits

Due to its broad compatibility with many aqueous binders, DISPERBYK-2012 is the first choice for grinds that contain binders. It stabilizes a multitude of pigments, primarily transparent and opaque organic pigments and carbon blacks. Also for binder-free grinds, it has versatile applications and the presence of amines, rheology additives, wetting agents and organic co-solvents in the millbase is not a problem. This high molecular weight additive improves color strength, transparency, gloss, and storage stability through steric stabilization. It has no influence on the stability of pH-sensitive systems and is therefore particularly recommended for use in formulations based on cationic binders. Furthermore, DISPERBYK-2012 is suitable for use in aqueous road marking paints.

**Recommended Use**

Automotive coatings	
Industrial coatings	
Wood and furniture coatings	
Architectural coatings	
Leather coatings	
Printing inks	

 especially recommended  recommended

**Recommended Levels**

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

Inorganic pigments: 5-30 %  
 Titanium dioxides: 4-10 %  
 Organic pigments: 50-100 %  
 Carbon blacks: 100-230 %

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 must be incorporated into the millbase. In the case of grinds that contain binders, the resin and water should be pre-mixed and then gradually let the additive flow in while stirring. If the water-soluble binder requires neutralization, the amine should be added prior to the DISPERBYK-2012. In the case of binder-free grinds, simply pre-mix the water and additive. In all cases, only add the pigments when the additive has been thoroughly distributed.



Additive Guide

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This issue replaces all previous versions – Printed in Germany