DISPERBYK-182

Wetting and dispersing additive for aqueous and solvent-borne coating systems and printing inks. For all-purpose pigment concentrates of non-polar through to aqueous systems.

Product Data

Composition
Solution of a high molecular weight block 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:	13 mg KOH/g
Density (68 °F):	8.55 lbs/US gal
Non-volatile matter (20 min., 302 °F):	43 %
Solvents:	Methoxypropylacetate/methoxypropoxypropanol/butylacetate 7/4/4
Flash point:	100 °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.

Special Note
The surface treatment of some organic pigments can negatively influence the effectiveness of the additive. In these cases, tests with the untreated pigment of the same type may be successful.

Applications

Coatings Industry

Special Features and Benefits
DISPERBYK-182 deflocculates pigments by means of steric stabilization. As a result of the small particle size of the deflocculated pigments, high levels of gloss can be achieved and the color strength is optimized. Transparency and hiding power also increase and viscosity is reduced. In this way, the flow characteristics are also improved and higher pigment loading is possible.

Recommended Use
DISPERBYK-182 has a broad application spectrum and is suited to solvent-borne and aqueous systems. It is especially – alone or in combination with DISPERBYK-108 – used to produce particularly economical solvent-borne pigment concentrates.

Recommended Levels
Amount of additive (as supplied) based upon pigment:

Inorganic pigments:	15-20 %
Titanium dioxides:	4-5 %
Organic pigments:	30-60 %
Carbon blacks:	80-100 %

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 before addition of pigments. Pre-mix the resin and solvent components of the millbase and then gradually let the DISPERBYK-182 flow in whilst stirring. Only add the pigments when the additive has been thoroughly distributed.

Printing Inks

Special Features and Benefits
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Recommended Use
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Recommended Levels
Amount of additive (as supplied) based upon pigment:

Titanium dioxides: 2.5-5 %
Organic pigments: 7-13 %
Carbon blacks: 7-13 %

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

Incorporation and Processing Instructions
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BYK Additive Guide

Available on the App Store

Google play

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