DISPERBYK-107

Wetting and dispersing additive for solvent-borne architectural coatings and pigment concentrates on the basis of alkyd resins. The additive is suitable for all pigments.

Product Data

Composition
Solution of a hydroxy-functional carboxylic acid ester with pigment affinic groups

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

Amine value:	64 mg KOH/g
Density (68 °F):	7.68 lbs/US gal
Non-volatile matter (10 min., 302 °F):	90 %
Solvents:	Isoparaffinic hydrocarbons
Flash point:	> 122 °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.

Applications

Coatings Industry

Special Features and Benefits
The additive deflocculates pigments through steric stabilization of the pigments. Due to the small particle size of the deflocculated pigments, high gloss is achieved and the color strength is improved. In addition, this product increases the transparency and hiding power of pigments and reduces viscosity. Subsequently, it improves leveling and allows for higher pigment loading.

Recommended Use
The additive is especially recommended for architectural coatings to stabilize titanium dioxide, fillers, and other inorganic and organic pigments. The percentage of fillers can often be increased without reducing gloss. White coatings stabilized with DISPERBYK-107 do not exhibit flooding and floating and show improved color acceptance when using universal colorants. The additive is suitable for formulating pigment concentrates on the basis of long oil alkyds.

Recommended Levels

Amount of additive (as supplied) based upon pigment:

Inorganic pigments:	3-5 %
Titanium dioxide:	0.7-1.5 %
Organic pigments:	5-8 %
Carbon blacks:	8-10 %

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.

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