DISPERBYK-184

Wetting and dispersion additive for aqueous coating systems and for aqueous pigment concentrates which contain resin.

Product Data

Composition
Solution of modified polyurethane

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

Amine value:	15 mg KOH/g
Density (20 °C):	1.09 g/ml
Non-volatile matter (20 min., 150 °C):	52 %
Solvents:	Dipropylene glycol monomethyl ether/propylene glycol 2/1
Flash point:	> 78 °C

Storage and Transportation
Mix well before use. Separation or turbidity may occur at temperatures below 5 °C. Warm to 20 °C and mix well.

Special Note
The 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
The additive deflocculates pigments by means of steric stabilization. As a result of the small particle sizes of the deflocculated pigments, high levels of gloss can be achieved and the color strength is improved. 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 Levels

Additive quantity (as supplied) based upon pigment.

Inorganic pigments:	15-20 %
Titanium dioxides:	4-6 %
Organic pigments:	20-45 %
Carbon blacks:	65-80 %

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 additon of pigments. The resin and solvent components of the millbase are pre-mixed and then the additive is slowly incorporated while stirring continuously. Do not add the pigments until the additve has been fully distributed.

BYK-Chemie GmbH
P.O. Box 10 02 45
46462 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com