DISPERBYK-2026

Wetting and dispersing additive for solvent-borne coil coatings, wood and industrial coatings and pigment concentrates, for stabilizing a multitude of organic and inorganic pigments and matting agents. Particularly suitable for acid-catalyzed polyester/melamine systems and high baking temperatures.

Product Data

Composition
Solution of a structured acrylate polymer with pigment-affinic groups

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

Amine value:	39 mg KOH/g
Acid value:	34 mg KOH/g
Density (68 °F):	8.87 lbs/US gal
Non-volatile matter (30 min., 302 °F):	60 %
Solvents:	Methoxypropylacetate
Flash point:	136 °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 by means of steric stabilization. It also generates a uniform electrical charge in the pigment particles. The resulting repulsion effect and the steric stabilization prevent any coflocculation which leads to non-floating coloring in pigment blends. As a result of the small particle size of the deflocculated pigments, high levels of gloss can be achieved and the color strength is improved. In addition, the transparency is increased in transparent pigments and the hiding power in opaque pigments. The viscosity is reduced. In this way, the flow characteristics are also improved and a higher pigment load can be achieved.

DISPERBYK-2026 can be used with organic and inorganic pigments. It stabilizes titanium dioxides, irrespective of the surface treatment, and enables a high degree of whiteness. As a result of the narrow molecular weight distribution of the additive, it has a broad compatibility in many different binder systems. The additive offers excellent compatibility, especially in polyester resins.

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DISPERBYK-2026 is suitable both for the production of pigment concentrates as well as for co-grinding. In pigment concentrate systems, the additive can be used to achieve a considerable reduction in viscosity. In acid-catalyzed and acid-curable systems, the additive does not have a negative influence on the drying properties. In baking systems, no yellowing is evident even at higher temperatures.

Recommended Use

Coil coatings	■
Industrial coatings	□
Wood coatings	□

■ especially recommended □ recommended

Recommended Levels

Amount of additive (as supplied) based upon pigment:

Inorganic pigments: 5-17 %
Titanium dioxides: 1.3-2.5 %
Organic pigments: 25-42 %
Carbon blacks: 33-80 %

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

Incorporation and Processing Instructions

Wetting and dispersing additives should generally be added to the millbase. Only in this way can they be fully effective. Pre-mix the resin and solvent components of the millbase and then gradually let the additive flow in whilst stirring. Only add the pigments when the additive has been thoroughly distributed.

Additive Guide

Available on the App Store

Google play

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