

DISPERBYK-106

Solvent-free wetting and dispersing additive for solvent-borne and solvent-free coating systems.

Product Data

Composition

Alkylammoniumsalt of a polymeric phosphoric acid ester

Typical Properties

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

Amine value: 74 mg KOH/g
Acid value: 132 mg KOH/g
Density (20 °C): 0.98 g/ml

Special Note

When stored at higher temperatures, the acid value can change but the effectiveness is not impaired.

Applications

Coatings Industry

Special Features and Benefits

The additive 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 improved. Transparency and hiding power also increase and viscosity is reduced. In this way, the flow characteristics are also improved and a higher pigment load is possible. DISPERBYK-106 is odorless and solvent-free.

Recommended Use

The additive is particularly recommended for architectural coatings, industrial coatings, wood and furniture coatings as well as to stabilize pigment pastes. It can be universally used with binders of differing polarities (e.g. aromatic-free alkyd resins and aldehyde resins).

Recommended Levels

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

Inorganic pigments	5-15 %
Organic pigments	10-30 %
Transparent iron oxide pigments	10-20 %

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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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

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