

DISPERBYK-108

Solvent-free wetting and dispersing additive for solvent-borne coatings and printing inks as well as pigment concentrates. Solvent-free version of DISPERBYK-107.

Product Data

Composition

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: 71 mg KOH/g
Density (68 °F): 7.84 lbs/US gal

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 and Printing Inks

Special Features and Benefits

The additive deflocculates pigments by 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, leveling is also improved and higher pigment loading is possible.

Recommended Use

DISPERBYK-108 is a solvent-free version of DISPERBYK-107. It is especially suited for the manufacture of non-floating high-solids and aromatic-free architectural coatings. It may also be used in industrial coatings, leather coatings and printing inks (for gravure, flexographic and screen printing). DISPERBYK-108 is also recommended for the manufacture of solvent-borne pigment concentrates in these areas.

Architectural coatings	<input checked="" type="checkbox"/>
Industrial coatings	<input checked="" type="checkbox"/>
Leather finishes	<input checked="" type="checkbox"/>
Printing Inks	<input checked="" type="checkbox"/>

☒ especially recommended ☐ recommended

Recommended Levels

Additive dosage as supplied based on pigment:

Inorganic pigments: 3-5 %
Titanium dioxides: 0.8-1.5 %
Organic pigments: 5-8 %
Carbon blacks: 8-10 %

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

Incorporation and Processing Instructions

For optimum performance, the additive must be incorporated into the mill base prior to addition of pigments.