

DISPERBYK-112

High molecular weight wetting and dispersing additive for solvent-borne coatings.

Product data

Composition

Solution of modified polyacrylate

Typical properties

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

Density:	1.02 g/ml
Non-volatile matter (10 min, 150 °C):	60 %
Solvent:	methoxypropyl acetate
Flash point:	47 °C
Amine value:	36 mg KOH/g
Delivery form:	liquid

Applications

Coatings industry

Special features and benefits

The additive ensures stable deflocculation of the pigments through steric stabilization. Due to the small particle size of the deflocculated pigments, high gloss levels can be achieved and the color strength is improved. Furthermore, transparency and hiding power are increased, viscosity is reduced, leveling is improved, and higher pigmentation is enabled.

Recommended use

DISPERBYK-112 is particularly suitable for stabilizing titanium dioxide in solvent-based coatings and pigment concentrates. The additive also shows broad system compatibility in TPA and NC systems. In combination with DISPERBYK-140 or DISPERBYK-142, it is also suitable for stabilizing color pigments.

General industrial coatings	■
Floor coatings	■

■ especially recommended □ recommended

Recommended levels

Inorganic pigments:	5–10 %
Titanium dioxide:	5–8 %
Organic pigments:	15–30 %
Carbon black:	25–40 %

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

For optimum effect, the additive must be incorporated into the millbase. First, the resin and solvent components of the millbase are premixed and then the additive is slowly incorporated while stirring. The pigments are only added once a proper distribution of the additive has been achieved.



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