

DISPERBYK-2010

Solvent-free wetting and dispersing additive for aqueous coating systems to produce particularly economical, binder-free pigment concentrates.

Product Data

Composition

Aqueous emulsion of a structured acrylate copolymer with pigment-affinic groups

Typical Properties

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

Amine value:	20 mg KOH/g
Acid value:	20 mg KOH/g
Density (20 °C):	1.07 g/ml
Non-volatile matter (10 min., 150 °C):	40 %
Carrier:	Water

Food Contact Legal Status

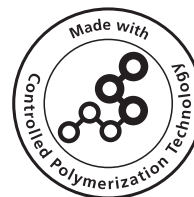
For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

Storage and Transportation

Temperature sensitive. To be stored and transported between 5 °C and 40 °C. Separation or turbidity may occur. Mix well before use.

Special Note

The additive is an emulsion.







Applications

Coatings Industry

Special Features and Benefits

DISPERBYK-2010 provides a strong reduction in the millbase viscosity. It prevents the reflocculation of the pigments through steric stabilization and electrostatic repulsion. Deflocculated pigments provide high color strength development, good transparency or hiding power, and increase in gloss. It also has a positive influence on leveling. DISPERBYK-2010 has a relatively hydrophobic structure to minimize the influence on the water resistance of the dry coating.

Recommended Use

Industrial coatings	
Automotive coatings	
Wood and furniture coatings	
Protective coatings	

 especially recommended

DISPERBYK-2010 is particularly recommended for producing binder-free, stable pigment concentrates for non-floating aqueous coatings. Pigment dispersion should only take place in water (without binders, amines or co-solvents). DISPERBYK-2010 contains no organic solvents and is for use only in aqueous systems.

Recommended Levels

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

Inorganic pigments: 20-30 %
Titanium dioxides: 10-12 %
Organic pigments: 30-75 %
Carbon blacks: 130-150 %

Incorporation and Processing Instructions

To produce binder-free pigment concentrates, simply mix the additive with the water. Only add the pigments once the additive has been uniformly distributed. Pigment dispersion should only take place in water (without binders, amines or co-solvents).



Additive Guide

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