

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 (68 °F):	8.93 lbs/US gal
Non-volatile matter (10 min., 302 °F):	40 %
Carrier:	Water

Food Contact Legal Status

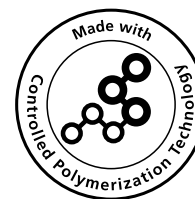
For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

Storage and Transportation

Temperature sensitive. To be stored and transported between 5 °C (41 °F) and 40 °C (104 °F). 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.

DISPERBYK-2010

Data Sheet
Issue 02/2014

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 upon 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



BYK USA Inc.
524 South Cherry Street
P.O. Box 5670
Wallingford, CT 06492
USA
Tel 203 265-2086
Fax 203 284-9158

cs.usa@byk.com
www.byk.com

ANTI-TERRA®, BYK®, BYK®-DYNWET®, BYK®-SILCLEAN®, BYKANOL®, BYKETOL®, BYKJET®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, DISPERBYK®, DISPERPLAST®, LACTIMON®, NANOBYK®, PAPERBYK®, SILBYK®, VISCOBYK®, and Greenability® are registered trademarks of BYK-Chemie. ACTAL®, ADJUST®, ADVITROL®, ASTRABEN®, BENTOLITE®, CLAYTONE®, CLOISITE®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, LAPONITE®, MINERAL COLLOID®, OPTIBENT®, OPTIFLO®, OPTIGEL®, PURE THIX®, RHEOCIN®, RHEOTIX®, RIC-SYN®, TIXOGEL®, and VISCOSEAL® are registered trademarks of BYK Additives. AQUACER®, AQUAMAT®, AQUATIX®, CERACOL®, CERAFAC®, CERAFLOUR®, CERAMAT®, CERATIX®, HORDAMER®, and MINERPOL® are registered trademarks of BYK-Cera. SCONA® is a registered trademark of BYK Kometra.

The information and data stated herein, although in no way guaranteed, are based upon tests and reports considered to be reliable and are believed to be accurate. No warranty, either expressed or implied, is made or intended. Use by a customer should be based upon their own investigations and appraisals. Any recommendation should not be construed as an invitation to use a material in infringement of patents. This issue replaces all previous versions – Printed in the USA