

Data Sheet Issue 09/2012

# **DISPERBYK-107**

Wetting and dispersing additive for solvent-borne architectural coatings and pigment concentrates on the basis of alkyd resins. The additive is suitable for all pigments.

# **Product Data**

# Composition

Solution of a 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:	64 mg KOH/g
Density (20 °C):	0.92 g/ml
Non-volatile matter (10 min., 150 °C):	90 %
Solvents:	Isoparaffinic hydrocarbons
Flash point:	> 50 °C

## 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 Industry**

#### **Special Features and Benefits**

The additive deflocculates pigments through steric stabilization of the pigments. Due to the small particle size of the deflocculated pigments, high gloss is achieved and the color strength is improved. In addition, this product increases the transparency and hiding power of pigments and reduces viscosity. Subsequently, it improves leveling and allows for higher pigment loading.

#### **Recommended Use**

The additive is especially recommended for architectural coatings to stabilize titanium dioxide, fillers, and other inorganic and organic pigments. The percentage of fillers can often be increased without reducing gloss. White coatings stabilized with DISPERBYK-107 do not exhibit flooding and floating and show improved color acceptance when using universal colorants. The additive is suitable for formulating pigment concentrates on the basis of long oil alkyds.

Data Sheet Issue 09/2012

#### **Recommended Levels**

Amount of additive (as supplied) based upon pigment:

Inorganic pigments:3-5 %Titanium dioxide:0.7-1.5 %Organic pigments:5-8 %Carbon blacks:8-10 %

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.

www.byk.com/additives

info@bvk.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. AQUACER®, AQUAMAT®, AQUATIX®, CERACOL®, CERAFAK®, CERAFLOUR®, CERAMAT®, CERATIX®, HORDAMER®, and MINERPOL® are registered trademarks of BYK-Cera.

SCONA® is a registered trademark of BYK Kometra. This information is given to the best of our knowledge. Because of the multitude of formulations, production, and application conditions, all the above-mentioned statements have to be adjusted to the circumstances of the processor. No liabilities, including those for patent rights, can be derived from this fact for individual cases.

This issue replaces all previous versions – Printed in Germany