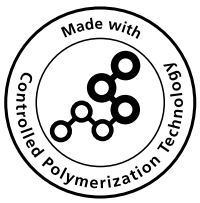
DISPERBYK-2022

Wetting and dispersing additive for solvent-borne industrial coatings and binder-free and binder-containing pigment concentrates with a broad compatibility. Outstanding adhesion when applied directly to metal.

Product Data



Composition
Solution of a polyacrylate

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

Amine value:	61 mg KOH/g
Density (20 °C):	1.04 g/ml
Non-volatile matter (10 min., 150 °C):	60 %
Solvents:	Methoxypropylacetate
Flash point:	41 °C

Applications

Coatings Industry

Special Features and Benefits
DISPERBYK-2022 deflocculates pigments and stabilizes them by means of steric hindrance. It prevents a possible coflocculation, which leads to non-floating coloring in pigment blends. The deflocculation of the pigments results in increased gloss, color strength, transparency or hiding power, and a reduced millbase viscosity. The additive is urethane-free and has a broad compatibility with a focus on low-polarity and medium-polarity systems. If the coatings are applied directly to metal, the adhesion is outstanding and a positive influence on salt-spray resistance has been observed.

Recommended Use

Industrial coatings	■
Wood and furniture coatings	□
Automotive coatings	□

■ especially recommended □ recommended

Pigment grinding with DISPERBYK-2022 can take place either with or without binder. The additive is suitable for single grinds and co-grinds.

Recommended Levels

Amount of additive (as supplied) based upon pigment:

Inorganic pigments:	5-10 %
Titanium dioxides:	1-3 %
Organic pigments:	10-35 %
Carbon blacks:	15-75 %

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

Incorporation and Processing Instructions

Wetting and dispersing additives should generally be added to the millbase. Only in this way can they be fully effective. In the case of binder-free grinds, the solvent components of the millbase are pre-mixed with the additive whilst stirring, before the pigment is added. If the grinds contain binder, the binder, solvent, and additive should be homogenized prior to adding the pigment.

Special Note

Deflocculated pigments have a greater tendency to settle. This particularly applies to inorganic pigments which have a greater density. The use of liquid rheology additives, such as BYK-410 or BYK-430, in the grinding phase counters this phenomenon.

BYK-Chemie GmbH
P.O. Box 10 02 45
46462 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com