

# DISPERBYK-2023

Solvent-borne wetting and dispersing additive for liquid printing inks based on TPU, TPA, NC, and vinyl copolymers.

## Product data

### Composition

Solution of a copolymer with pigment-affinic groups

### Typical properties

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

Active substance: 60 %  
Solvents: ethyl acetate  
Acid value: 4 mg KOH/g  
Amine value: 7 mg KOH/g

## Applications

### Printing inks

#### Special features and benefits

DISPERBYK-2023 deflocculates pigments and stabilizes them by means of steric hindrance. Flocculation, the associated increase in viscosity, loss of color strength, transparency and gloss are prevented. In addition, DISPERBYK-2023 greatly reduces millbase viscosity. The additive has broad compatibility with many binders commonly used in printing inks such as TPU, TPA, NC, and vinyl copolymers. The applications range from polar, alcohol-based systems to highly non-polar systems based on esters or toluene. Pigment grinding with DISPERBYK-2023 can take place either with or without binder. By using ethyl acetate and thanks to its low solvent retention, the product is highly suited to packaging inks.

#### Recommended levels

4–25 % additive (as supplied) based on organic pigments.  
4–25 % additive (as supplied) based on carbon blacks.

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

#### 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.



Your local  
contact

**BYK-Chemie GmbH**  
Abelstraße 45  
46483 Wesel  
Germany  
Tel +49 281 670-0  
Fax +49 281 65735

**info@byk.com**  
**www.byk.com**

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