DISPERBYK-2015 BF

VOC- and solvent-free wetting and dispersing additive for aqueous coatings, printing inks, adhesives, and care products. For resin-free pigment concentrates. Biocide-free version of DISPERBYK-2015.

Product data

Composition
Aqueous solution of modified styrene maleic anhydride copolymer

VOC-free (< 1500 ppm)
Biocide-free

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

Density (20 °C):	1.06 g/ml
Non-volatile matter (10 min, 150 °C):	40 %
Solvents:	water
Acid value:	10 mg KOH/g

Storage and transportation
Separation or turbidity may occur at temperatures below 0 °C. Warm to 20 °C and mix well.

Applications

Coatings and printing inks

Special features and benefits
DISPERBYK-2015 BF deflocculates pigments by means of steric stabilization. Due to the small particle size of the deflocculated pigments, high levels of gloss can be achieved and the color strength improved. The transparency and hiding power is also increased. DISPERBYK-2015 BF reduces viscosity, which improves leveling and makes higher pigment loading possible. The very low influence on the water resistance of the coating makes the additive also suitable for use in aqueous protective coatings.

Recommended use

General industrial coatings	■
Wood and furniture coatings	■
Architectural coatings	■
Marine coatings	■
Protective coatings	■
Coil coatings	□
Leather finishes	□
Printing inks	□

■ especially recommended □ recommended

DISPERBYK-2015 BF is particularly suitable for producing resin-free, stable pigment concentrates for non-floating aqueous coatings and printing inks. The additive is VOC-free and is only suitable for aqueous systems.

Recommended levels
Amount of additive (as supplied) based upon pigment:

Inorganic pigments:	12.5–30 %
Titanium dioxide:	2.5–7.5 %
Organic pigments:	30–75 %
Carbon black:	100–150 %

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

Incorporation and processing instructions
The additive must only be mixed with water during the production of resin-free pigment concentrates. Pigment dispersion should only take place in water (without binders, amines, or cosolvents). Only add pigments once the additive has been uniformly distributed.

Adhesives and sealants

Special features and benefits
DISPERBYK-2015 BF deflocculates fillers and pigments through steric stabilization. The additive reduces viscosity, enabling easier processing or higher filler loading.

Recommended use
DISPERBYK-2015 BF is recommended for all aqueous dispersion adhesives. The additive is VOC-free and is only suitable for aqueous systems.

Recommended levels
Amount of additive (as supplied) based on pigment or filler:

Titanium dioxide:	2.5–7.5 %
Carbon black:	100–150 %
Inorganic fillers:	0.5–1 %

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

Incorporation and processing instructions
For optimum performance, the additive should be added to the system before the incorporation of the fillers and pigments.

Care products

Special features and benefits
DISPERBYK-2015 BF deflocculates abrasives and other insoluble solids through steric stabilization. The additive reduces viscosity, enabling easier processing or a higher solid content.

Recommended use
DISPERBYK-2015 BF is recommended for all aqueous care products that contain solids. The additive is VOC-free and is only suitable for aqueous systems.

Recommended levels
Amount of additive (as supplied) based upon pigment:

Titanium dioxide:	2.5–7.5 %
Carbon black:	100–150 %
Inorganic fillers:	0.5–1 %

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

Incorporation and processing instructions
For optimum performance, the additive should be added to the system before the incorporation of the solids.

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

info@byk.com
www.byk.com