

DISPERBYK-2015

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

Product data

Composition

Aqueous solution of modified styrene maleic anhydride copolymer

VOC-free (< 1500 ppm)

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 defloculates pigments by means of steric stabilization. Due to the small particle size of the defloculated pigments, high levels of gloss can be achieved and the color strength improved. The transparency and hiding power is also increased. DISPERBYK-2015 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

Coil coatings	<input checked="" type="checkbox"/>
Wood and furniture coatings	<input checked="" type="checkbox"/>
Architectural coatings	<input checked="" type="checkbox"/>
Marine coatings	<input checked="" type="checkbox"/>
Protective coatings	<input checked="" type="checkbox"/>
Leather finishes	<input type="checkbox"/>
Printing inks	<input type="checkbox"/>

especially recommended recommended

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

Recommended use

DISPERBYK-2015 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 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 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.



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This issue replaces all previous versions.