DISPERBYK-194 N

Wetting and dispersing additive for aqueous systems and pigment concentrates, especially for use in aqueous two-pack polyurethane and two-pack epoxy systems.

Product Data

Composition
Solution of a copolymer with pigment affinic groups

HAPS-free

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

Acid value :	75 mg KOH/g
Density (68 °F):	9.02 lbs/US gal
Non-volatile matter (10 min., 302 °F):	57 %
Solvents:	Water

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.

Storage and Transportation
Separation or turbidity may occur at temperatures below 10 °C. Warm to 20 °C and mix well.

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
DISPERBYK-194 N is used for the production of pigment concentrates with or without resins and for pigment grinding in aqueous coatings.
It is especially recommended for use with aqueous two-pack PU and two-pack epoxy systems. Pigment concentrates formulated with DISPERBYK-194 N can be incorporated into amine components as well as epoxy resins.

Industrial coatings	■
Wood and furniture coatings	■
Protective coatings	■

■ especially recommended

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Recommended Levels

Amount of additive (as supplied) based upon pigment

Inorganic pigments:	15-35 %
Titanium dioxide:	7-13 %
Organic pigments:	30-90 %
Carbon blacks:	100-150 %

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

Incorporation and Processing Instructions

For optimal performance in systems containing resins, the additive should be slowly incorporated into the aqueous resin while agitating the mixture. For pigment concentrates without resins, simply mix the additive with water. Add pigments only after the additive is homogeneously distributed.

Special Note

Pigment concentrates formulated with DISPERBYK-194 N must be neutralized before being added to let-down.

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