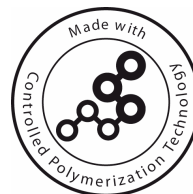


DISPERBYK-2009

Wetting and dispersing additive for radiation-curing solvent-borne and solvent-free coating systems, and conventional solvent-borne coating systems for dispersing of silica based matting agents.



Product data

Composition

Solution of cationic methacrylate copolymer

Typical properties

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

Density (20 °C):	1.02 g/cm ³
Non-volatile matter (20 min, 150 °C):	44 %
Solvent:	butylglycol/methoxypropyl acetate 1/1
Flash point:	40 °C
Amine value:	4 mg KOH/g
Delivery form:	liquid

Storage and transportation

Product shelf life in unopened original packaging: 36 months
To be stored and transported at a temperature below 50 °C.

Applications

Coatings industry

Special features and benefits

DISPERBYK-2009 was specifically developed for the dispersion of silica-based matting agents in solvent-borne and solvent-free systems as well as radiation curing systems. Low dosages give strong matting effects and good orientation of the matting agent. Viscosity is strongly reduced and a newtonian flow behavior is achieved. DISPERBYK-2009 has a broad resin and monomer compatibility.

Recommended use

Wood and furniture coatings	☐
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☒ Especially recommended ☐ Recommended

Recommended levels

Amount of additive solid based upon pigment:

Titanium dioxide: 2-5 %

Matting agents: 5-20 %

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 must be incorporated into the millbase before addition of pigments. Pre-mix the resin and solvent components of the millbase and then gradually pour in the additive while stirring. Do not add the pigments until the additive has been fully distributed.

Printing inks**Special features and benefits**

The additive is specifically recommended for stabilizing pigments in solvent-free, radiation curable printing inks and overprint varnishes. It is also suitable for formulating pigment concentrates.

Recommended use

Printing inks	☐
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☒ Especially recommended ☐ Recommended

Recommended levels

Amount of additive solid based upon pigment:

Titanium dioxide: 2-5 %

Matting agents: 5-15 %

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 must be incorporated into the millbase before addition of pigments. Pre-mix the resin and solvent components of the millbase and then gradually let the additive flow in whilst stirring. Only add the pigments when the additive has been thoroughly distributed.



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