

DISPERBYK-2008

Wetting and dispersing additive for solvent-free UV coatings and high-solid systems to improve matting using silica-based matting agents.

Product Data

Composition

Solution of a structured acrylate copolymer with pigment-affinic groups

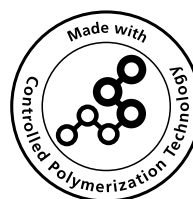
Typical Properties

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

Amine value: 66 mg KOH/g
Active substance: 60 %
Density (20 °C): 1.04 g/ml
Solvents: Polypropylene glycol
Flash point: 99 °C

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.



Applications

Coatings Industry

Special Features and Benefits

DISPERBYK-2008 was specifically developed as a wetting and dispersing additive for silica-based matting agents which are used in solvent-free UV coatings and high-solid systems. It is typically used in wood and furniture coatings and also industrial coatings. DISPERBYK-2008 is based on controlled polymerization technology (CPT). Due to its basic pigment-affinic groups, it is compatible with most silica-based matting agents and works on matting agents with or without surface treatment. Even at a low dosage, the dispersion and stability of the matting agent is considerably improved. It considerably reduces the viscosity and has a very good orientation of the matting agent. DISPERBYK-2008 is highly compatible with many polymers and monomers and enables matt surfaces to be produced even when based on standard silicas.

Recommended Levels

3-15 % additive (as supplied) based on the matting agent.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests. To achieve the best possible matting effect with a simultaneous reduction in viscosity, the amount of additive should be adapted to the specific surface of the silica-based matting agent.

Incorporation and Processing Instructions

Wetting and dispersing additives should generally be added to the millbase. Only in this way can they be fully effective. Pre-mix the resin and solvent components of the millbase and then let the additive flow in whilst stirring.

Adhesives & Sealants

Special Features and Benefits

As a wetting and dispersing additive, DISPERBYK-2008 is particularly suitable for silica-filled UV adhesives. It is based on controlled polymerization technology (CPT). Due to its basic pigment-affinic groups, DISPERBYK-2008 is compatible with most types of silica and works both with hydrophilic and hydrophobic silicas. Even at a low dosage, the dispersion and stability of the silica is considerably improved. It considerably reduces the viscosity.

Recommended Levels

3-15 % additive (as supplied) based on the matting agent.

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

Incorporation and Processing Instructions

Wetting and dispersing additives should generally be added before the silica. Only in this way can they be fully effective.



Additive Guide



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