DISPERBYK-2159

Wetting and dispersing additive for UV-curing solvent-borne and solvent-free coating systems, and conventional solvent-borne coating systems for dispersing and stabilizing untreated and treated silica-based matting agents. Excellent viscosity reduction and improvement in matting properties.

Product Data

Composition
Solution of polyester modified polyalkylene imine

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

Amine value:	13 mg KOH/g
Density (20 °C):	1.05 g/ml
Non-volatile matter (20 min., 150 °C):	60 %
Solvents:	Methoxypropylacetate
Flash point:	45 °C

Storage and Transportation
Store at temperatures below 50 °C.

Applications

Coatings Industry

Special Features and Benefits
DISPERBYK-2159 is characterized by its highly effective dispersion and stabilization of untreated and treated silica-based matting agents. When combined with the matting agents, the use of DISPERBYK-2159 strongly reduces the viscosity and minimizes thixotropy whilst generating Newtonian flow behavior. This makes it possible to use a significantly greater quantity of matting agents. In addition, it is possible to achieve a much more homogeneous incorporation and orientation of the matting agents. DISPERBYK-2159 is particularly suitable for use in deep-matt, UV-curing and conventional solvent-borne wood and furniture coatings, and to produce solvent-borne matting agent pastes. The additive has outstanding compatibility both with all common oligomers and monomers and with a multitude of resins and organic solvents used in UV-curing and conventional solvent-borne wood and furniture coating systems.

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Recommended Use

Wood and furniture coatings	■

■ especially recommended ☐ recommended

Recommended Levels

4-18 % 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

The additive should be pre-mixed and homogenized in the oligomer, monomer, resin or solvent blend before adding the matting agent.

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This issue replaces all previous versions.