

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 a 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:	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

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

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.

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.



Additive Guide



BYK-Chemie GmbH
P.O. Box 10 02 45
46462 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com

ACTAL®, ADD-MAX®, ADD-VANCE®, ADJUST®, ADVITROL®, ANTI-TERRA®, AQUACER®, AQUAMAT®, AQUATIX®, BENTOLITE®, BYK®, BYK®-DYNWET®, BYK®-SILCLEAN®, BYKANOL®, BYKETOL®, BYKJET®, BYKO2BLOCK®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, CERACOL®, CERAFAK®, CERAFLOUR®, CERAMAT®, CERATIX®, CLAYTONE®, CLOISITE®, DISPERBYK®, DISPERPLAST®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, HORDAMER®, LACTIMON®, LAPONITE®, MINERAL COLLOID®, MINERPOL®, NANOBYPK®, OPTIBENT®, OPTIFLO®, OPTIGEL®, PAPERBYK®, PERMONT®, PRIEX®, PURE THIX®, RHEOCIN®, RHEOTIX®, SCONA®, SILBYK®, TIXOGEL®, VISCOBYK® and Y 25® are registered trademarks of the BYK group.

The information herein is based on our present knowledge and experience. The information merely describes the properties of our products but no guarantee of properties in the legal sense shall be implied. We recommend testing our products as to their suitability for your envisaged purpose prior to use. No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding any products mentioned herein and data or information set forth, or that such products, data or information may be used without infringing intellectual property rights of third parties. We reserve the right to make any changes according to technological progress or further developments.

This issue replaces all previous versions – Printed in Germany