

DISPERBYK-103

Wetting and dispersing additive for solvent-borne matting agent pastes.

Product Data

Composition

Solution of a copolymer with filler affinic groups

Typical Properties

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

Density (68 °F):	8.85 lbs/US gal
Non-volatile matter (10 min., 302 °F):	40 %
Solvents:	Methoxypropylacetate
Flash point:	117 °F

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

At temperatures below 10 °C (50 °F), DISPERBYK-103 has a tendency to cloud and separate. In this case, please heat the product to a temperature of approx. 35 °C (95 °F) and then stir.

Applications

Coatings Industry

Special Features and Benefits

The additive is used to produce highly concentrated matting agent pastes. Such pastes are fluid, stable upon storage, easy to utilize, and capable of being automatically dosed into the system. These matting agent pastes can also be post-added to adjust the degree of matting. The gloss reduction of matting agent pastes produced with DISPERBYK-103 may be lower than that of matting agents utilizing dry incorporation.

DISPERBYK-103

Data Sheet
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Recommended Use

Wood and furniture coatings	<input checked="" type="checkbox"/>
Industrial coatings	<input checked="" type="checkbox"/>
Protective coating systems	<input checked="" type="checkbox"/>
Architectural coatings	<input type="checkbox"/>

☒ especially recommended ☐ recommended

Recommended Levels

Amount of additive (as supplied) based upon pigment:

Inorganic pigments: 5-10 %

Titanium dioxide: 2-4 %

Matting agent: 30-60 %

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

Incorporation and Processing Instructions

For optimum performance, the additive must be incorporated into the millbase. Prepare paste resin, mix with the solvent and the additive, then add the matting agent. Example: Grinding resin (60 % solution), 30 parts; DISPERBYK-103, 12 parts; solvent, 40 parts; matting agent, 18 parts.



Additive Guide

