

BYK-325 N

Silicone-containing surface additive for solvent-borne coatings to improve leveling, with a slight reduction in surface tension and minor increase in surface slip.

Product Data

Composition

Solution of a polyether-modified polymethylalkylsiloxane

Typical Properties

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

Density (20 °C):	1.02 g/ml
Non-volatile matter (60 min., 105 °C):	52 %
Solvents:	PMA/monophenyl glycol 1/1
Flash point:	57 °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

The product may solidify below 15 °C. Warm to <50 °C and mix well.

Special Note

BYK-325 N is the butyrolactone-free version of BYK-325. The active substance and active substance content are the same as BYK-325.

Applications

Coatings Industry

Special Features and Benefits

The additive causes only a slight reduction in the surface tension of the coating systems and improves the leveling in the coating layer used. BYK-325 N prevents the show-through of cleaning traces (wiping marks) if the coating is recoated. In order to prevent this defect (also called "ghosting"), the additive must be used in the coating layer that is to be recoated.

Recommended Use

The additive is recommended for all solvent-borne coatings.

Recommended Levels

0.05-0.6 % additive (as supplied) based on the total formulation.

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 can be incorporated at any stage of the production process, including post-addition, as long as homogeneous incorporation in the system is ensured.

Special Note

Unlike so-called silicone oils, this additive is very user-friendly. However, before use, one should determine in a test series whether the foam is stabilized in certain systems. Similarly, recoatability and cratering should be investigated.



Additive Guide



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