

BYK-315 N

Silicone-containing surface additive for solvent-borne coating systems, in particular automotive coatings. Slight reduction in the surface tension and slight increase in surface slip. No blushing after water immersion test.

Product Data

Composition

Solution of a polyester-modified polymethylalkylsiloxane

Typical Properties

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

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|--|--|
| Density (20 °C): | 1.03 g/ml |
| Non-volatile matter (30 min., 150 °C): | 25 % |
| Solvents: | Methoxypropyl acetate/phenoxyethanol 1/1 |
| Flash point: | 51 °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

Separation or turbidity may occur when stored or transported below -5 °C. Heat to 20 °C and stir.

Applications

Coatings Industry

Special Features and Benefits

The additive causes just a slight lowering of the surface tension of coating systems. It therefore improves the flow and leveling and in some formulations also has a defoaming effect. The formation of Bénard cells is also prevented and gloss is increased. The additive displays no blushing in clear coats after water immersion tests.

Recommended Use

| | |
|-----------------------------|-------------------------------------|
| Automotive coatings | <input checked="" type="checkbox"/> |
| Architectural coatings | <input type="checkbox"/> |
| Protective coating systems | <input type="checkbox"/> |
| General industrial coatings | <input checked="" type="checkbox"/> |

especially recommended recommended

Recommended Levels

0.05-0.6 % additive (as supplied) based upon 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 during any stage of the production process, including post-addition.

Special Note

Unlike so-called silicone oils, this additive is very user-friendly. Nevertheless, before use it should be determined in a series of tests whether foam is stabilized in certain systems. Similarly, the recoatability and cratering should be checked.



Additive Guide



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