

BYK-1616

Silicone-containing defoamer for aqueous printing inks and coatings.

Product data

Composition

Aqueous emulsion of polyether-modified polysiloxanes with hydrophobic particles

Typical properties

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

Density (20 °C):	0.99 g/cm ³
Non-volatile matter (10 min, 150 °C):	24 %
Carrier:	water
Delivery form:	emulsion

Storage and transportation

Product shelf life in unopened original packaging: 36 months

Temperature sensitive. To be stored and transported between 0 °C and 40 °C.

Special note

If the temperature has exceeded or fallen below the recommended range, the product has to be tested before use and, if necessary, be re-emulsified at room temperature.

Applications

Printing inks

Special features and benefits

BYK-1616 is recommended for defoaming aqueous printing inks and overprint varnishes. It has a spontaneous defoaming effect and is also suitable for preventing microfoam. The storage stability of the inks and the shear stability in the printing press are excellent.

Recommended levels

0.2-1 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

The additive can be added at any time during production. Sufficiently high shear forces must be applied. BYK-1616 can also be diluted with water (1 part BYK-1616 to 3 parts water) for direct use on printing presses.

Coatings industry

Special features and benefits

BYK-1616 combines high efficiency with good compatibility in a multitude of aqueous systems and fields of application, and has an excellent long-term effect. The additive stops foam forming both during production and during application of the coatings.

Recommended use

Architectural coatings	<input checked="" type="checkbox"/>
General industrial coatings	<input type="checkbox"/>
Wood and furniture coatings	<input type="checkbox"/>

especially recommended recommended

Recommended levels

0.1-1 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

The additive can be added at any time during production. Sufficiently high shear forces must be applied.



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