

BYK-1610

VOC-free silicone-containing defoamer for aqueous coatings and adhesives. Preferably used in emulsion systems with a PVC of 35-70. Cost-effective alternative to mineral oil defoamers.

Product Data

Composition

Emulsion of hydrophobic solids, emulsifiers and foam-destroying polysiloxanes

VOC-free (< 1500 ppm)
Contains no alkylphenol
ethoxylates

Typical Properties

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

Density (20 °C): 1.01 g/ml
Non-volatile matter (10 min., 150 °C): 17 %
Carrier: Water

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

Storage and transport between 0 °C and 40 °C. Temperature-sensitive emulsion. If the temperature has exceeded or fallen below the recommended range, the product has to be tested and, if necessary, be re-emulsified at room temperature.

Applications

Coatings Industry

Special Features and Benefits

BYK-1610 is a silicone defoamer that can replace mineral oil defoamers in many applications (emulsion paints and plasters, gloss and semi gloss paints). For use within a PVC range of 35-70.

Recommended Levels

0.1-0.5 % additive (as supplied) based upon total formulation, in exceptional cases up to 0.8 %.

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

Incorporation and Processing Instructions

Normally 2/3 of the amount of defoamer is added to the mill base, 1/3 to the let-down or the finished paint.

Adhesives

Special Features and Benefits

BYK-1610 is more effective than BYK-1615 and can be used in all aqueous emulsion adhesives as a defoaming agent.

Recommended Levels

0.05-0.5 % additive (as supplied) based upon total formulation.

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

Incorporation and Processing Instructions

The additive can be added at any time during the production process at low to moderate shear forces.