BYK-1780

Silicone-containing defoamer for aqueous systems with high layer thickness for removing application-related microfoam.

Product Data

Composition
Polyether-modified polydimethylsiloxane with hydrophobic solids

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

Active substance: 100 %
Density (20 °C): 1.00 g/ml
Flash point: 87 °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
Tightly seal container after use.

Applications

Coatings Industry

Special Features and Benefits
BYK-1780 is highly effective in aqueous systems, in particular in thick layer systems which are applied by means of an airless or airmix method. It is extremely good at removing microfoam from the coating and influences neither the transparency or gloss in high-gloss systems. BYK-1780 can be used in pigmented systems and in clear coatings. The additive is solvent-free.

Recommended Use

Architectural coatings	■
Wood and furniture coatings	■
Protective coatings	■
Industrial coatings	□

■ Particularly recommended □ Recommended

Recommended Levels

0.3-1 % 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

Sufficiently high shear forces must be applied during incorporation to ensure a good distribution of the defoamer and to prevent cratering.

Printing Inks

Special Features and Benefits

BYK-1780 is particularly suited to aqueous printing inks, overprint varnishes and aqueous, radiation curable printing systems.

Recommended Levels

0.2-1.0 % additive (as supplied) based upon total formulation.

Incorporation and Processing Instructions

Sufficiently high shear forces must be applied during incorporation.

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