

# BYK-1780

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

## Product data

### Composition

Blend 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): 1.00 g/ml

Active substance: 100 %

Flash point: 87 °C

### Storage and transportation

Tightly seal container after use. Mix well before 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	<input checked="" type="checkbox"/>
Wood and furniture coatings	<input checked="" type="checkbox"/>
Protective coatings	<input checked="" type="checkbox"/>
Industrial coatings	<input type="checkbox"/>

especially recommended     recommended

**Recommended levels**

0.3–1% additive (as supplied) based upon 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**

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.

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

**Incorporation and processing instructions**

Sufficiently high shear forces must be applied during incorporation.



Your local  
contact

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This issue replaces all previous versions.