

# BYK-3410

Silicone-free surface additive for aqueous coatings, printing inks as well as adhesives and sealants to improve substrate wetting.

## Product Data

### Composition

Compound of surface-active substances

### Typical Properties

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

Active substance: 100 %

Density (20 °C): 1.07 g/ml

### Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit [www.byk.com](http://www.byk.com) for further information.

## Applications

### Coatings Industry

#### Special Features and Benefits

The additive reduces the dynamic surface tension and therefore improves substrate wetting, particularly in the case of high-speed application processes.

#### Recommended Use

The additive can be used in all aqueous coating systems. It is particularly suitable for systems that are applied at high speed.

#### Recommended Levels

0.5-2 % additive (as supplied) based on the 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.

### Adhesives & Sealants

#### Special Features and Benefits

The additive reduces the dynamic surface tension in high-speed application processes and therefore improves substrate wetting.

#### Recommended Use

The additive can be added to all aqueous adhesives and sealants. It is particularly suitable for pouring at high speed, e.g. when producing adhesive tape (PSA).

**Recommended Levels**

0.2-1.2 % additive (as supplied) based on the 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.

**Printing Inks****Special Features and Benefits**

The additive reduces the dynamic surface tension and therefore improves substrate wetting and ink transfer in high-speed printing processes.

**Recommended Use**

The additive can be added to all aqueous flexographic and gravure printing inks as well as overprint varnishes. It is particularly suitable for systems that are printed at high speed.

**Recommended Levels**

0.5-2 % additive (as supplied) based on the 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.

**Detergents, Cleaning and Care Products****Special Features and Benefits**

BYK-3410 is used in waxy self-shine emulsions (matt and gloss) and improves substrate wetting by reducing the surface tension. This promotes leveling of the care product without increasing surface slip. BYK-3410 is fluorine-free, displays only minor foam stabilization and has no negative impact on the next coating application.

**Recommended Levels**

0.1-1.0% additive (as supplied) based on the total formulation.

**Incorporation and Processing Instructions**

BYK-3410 is preferably added to the finished formulation, however it is possible to use it at any stage of manufacture. Prior to use in systems containing plasticizers, the additive should be diluted using the volatile plasticizer to 10% active substance.



Additive Guide



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This issue replaces all previous versions – Printed in Germany