

## BYK-UV 3530

Crosslinking, silicone-containing surface additive for aqueous, radiation-curable printing inks and overprint varnishes with a considerable reduction in the surface tension and very good substrate wetting. No influence on the surface slip. Improves leveling in 100 % UV systems.

### Product Data

#### Composition

Polyether-modified, acryl functional siloxane

#### Typical Properties

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

Density (20 °C): 1.08 g/ml  
Refractive index (20 °C): 1.460  
Active substance: 100 %

#### 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.

#### Storage and Transportation

To be stored and transported at a temperature below 40 °C.

### Applications

#### Printing Inks and Overprint Varnishes

#### Special Features and Benefits

BYK-UV 3530 is a silicone surfactant and accumulates at the coating/substrate interface in aqueous, radiation-curable systems. Its acrylic functionality enables it to be incorporated in the polymer network and therefore to be permanently anchored to the surface, thereby preventing migration of the silicone surfactant. BYK-UV 3530 improves the substrate wetting due to a considerable reduction in surface tension. In non-aqueous, radiation-curable systems it orientates itself at the coating/air interface where it improves leveling.

#### Recommended Use

BYK-UV 3530 is particularly recommended for aqueous, radiation-curable printing inks and overprint varnishes. It has a limited application in non-aqueous systems.

#### Recommended Levels

0.2-1 % 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

The additive can be incorporated during any stage of the production process, including post-addition.

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Data Sheet  
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Additive Guide



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