

# BYK-UV 3535

Crosslinkable surface additive for radiation curable systems for improving leveling and recoatability.

## Product Data

### Composition

Modified, silicone-free polyether

### Typical Properties

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

Density (20 °C): 1.11 g/ml  
Refractive index: 1.476  
Active substance: 100 %  
OH value: 250 mg KOH/g

### 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

Do not store or transport above 35 °C.

### Special Note

Protect the additive from direct sunlight.

## Applications

### Coatings Industry

#### Special Features and Benefits

BYK-UV 3535 improves the leveling of radiation curable systems. The product is very compatible and causes no haze in the coating system. In many cases it displays a deaerating effect. Even at a low dosage it leads to an increase in surface tension. Associated with this are increased surface energy, improved recoatability and intercoat adhesion, even of aqueous systems. In addition, BYK-UV 3535 produces an anti-slip effect. The additive is UV-reactive and displays crosslinking with radiation curable systems. For this reason its effect is long lasting and it does not migrate. BYK-UV 3535 is suitable for solvent-free, solvent-borne, and aqueous, radiation curable systems.

## Recommended Use

Wood and furniture coatings	■
Industrial coatings	■

■ particularly recommended □ recommended

## Recommended Levels

0.1-0.3 % additive (as supplied) based upon total formulation, in exceptional cases up to 0.5 %.

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.

## Special Note

The additive is functional and is crosslinked into radiation curable systems.

## Overprint Varnishes

### Special Features and Benefits

BYK-UV 3535 improves the leveling of 100%, UV-curing overprint varnishes. The additive displays an anti-slip effect and does not stabilize foam. The good compatibility with standard binders enables highly transparent overprint varnishes to be produced.

### Recommended Use

Recommended for 100% UV overprint varnishes.

### Recommended Levels

0.3-1 % additive (as supplied) based upon total formation.

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

BYK-UV 3535 improves the leveling of radiation curable adhesives. The product is very compatible and causes no haze in the system. In many cases it displays a deaerating effect. The additive causes an increase in surface tension, whereby improved adhesion and recoatability is achieved. The additive is UV-reactive and displays crosslinking with radiation curable systems. For this reason its effect is long lasting and it does not migrate.

**Recommended Use**

Recommended for 100 % UV adhesives.

**Recommended Levels**

0.1-0.5 % additive (as supplied) based upon total formation.

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.

**Special Note**

The additive is functional and is crosslinked into radiation curable systems.

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