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 (68 °F):	9.24 lbs/US gal
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 for further information.

Storage and Transportation
Do not store or transport above 95°F.

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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