

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

Storage and Transportation

Do not store or transport above 40 °C. 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	<input checked="" type="checkbox"/>
Industrial coatings	<input checked="" type="checkbox"/>

☒ 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.



Additive Guide



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