

BYK-UV 3535

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

Product data

Composition

Polyether, alkenoate functional

Typical properties

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

Density (20 °C):	1.11 g/cm ³
Active substance:	100 %
Refractive index:	1.477
OH value:	245 mg KOH/g
Delivery form:	liquid

Storage and transportation

Product shelf life in unopened original packaging: 24 months

To be stored and transported at a temperature below 50 °C. Protect the product 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"/>
General industrial coatings	<input checked="" type="checkbox"/>
Can coatings	<input type="checkbox"/>
Coil coatings	<input type="checkbox"/>

especially recommended recommended

Recommended levels

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

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

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.

Printing inks**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 on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

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



Your local
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