

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.

BYK-UV 3535

Data Sheet
Issue 01/2013

BYK USA Inc.
524 South Cherry Street
P.O. Box 5670
Wallingford, CT 06492
USA
Tel 203 265-2086
Fax 203 284-9158

cs.usa@byk.com
www.byk.com/additives

ANTI-TERRA®, BYK®, BYK®-DYNWET®, BYK®-SILCLEAN®, BYKANOL®, BYKETOL®, BYKJET®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, DISPERBYK®, DISPERPLAST®, LACTIMON®, NANOBYK®, PAPERBYK®, SILBYK®, VISCOBYK®, and Greenability® are registered trademarks of BYK-Chemie. AQUACER®, AQUAMAT®, AQUATIX®, CERACOL®, CERAFAK®, CERAFLOUR®, CERAMAT®, CERATIX®, HORDAMER®, and MINERPOL® are registered trademarks of BYK-Cera. SCONA® is a registered trademark of BYK Kometra.

The information and data stated herein, although in no way guaranteed, are based upon tests and reports considered to be reliable and are believed to be accurate. No warranty, either expressed or implied, is made or intended. Use by a customer should be based upon their own investigations and appraisals. Any recommendation should not be construed as an invitation to use a material in infringement of patents.

This issue replaces all previous versions – Printed in the USA