BYK-UV 3575

Crosslinkable surface additive for radiation curable systems for improving substrate wetting and leveling.

Product Data

Composition
Solution of a multi-acrylic functional, modified polydimethylsiloxane

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

Density (68 °F):	8.88 lbs/US gal
Refractive index:	1.458
Active substance:	40 %
Solvents:	Tripropylene glycol diacrylate (TPGDA)
Flash point:	> 140 °F

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 3575 displays a moderate reduction in surface tension and improves substrate wetting. The surface slip is increased and leveling is improved. As a result of its multiple acrylic functionality BYK-UV 3575 crosslinks with radiation curable systems and thereby produces long-lasting effects without migrating. Its recoatability must be tested, surface sanding is recommended. The product is very compatible and causes no haze in the coating system. BYK-UV 3575 is suitable for solvent-free, solvent-borne, and aqueous systems.

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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 1 %.

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.

Overprint Varnishes

Special Features and Benefits
BYK-UV 3575 improves substrate wetting and the leveling of 100%, UV-curing overprint varnishes. As a result of the reduction in surface tension a low coefficient of friction (COF) is achieved. Use of the product leads to increased gloss. 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.

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