

BYK-UV 3510

Silicone-containing surface additive for radiation-curable overprint varnishes, to improve leveling and substrate wetting.

Product Data

Composition

Polyether-modified polydimethylsiloxane

Typical Properties

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

Density (68 °F): 8.60 lbs/US gal
Refractive index (68 °F): 1.435
Active substance: 100 %

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

Separation or turbidity may occur at temperatures below 10 °C (20 °F). Warm to 20 °C (68 °F) before use and stir thoroughly.

Special Note

BYK-UV 3510 can have a hazy and gray appearance. This does not impair the effectiveness of the product.

Applications

Overprint Varnishes

Special Features and Benefits

Due to its high surface activity, BYK-UV 3510 accumulates on the surface of the coating. It is particularly recommended for radiation-curable overprint varnishes in the printing ink sector. It improves the substrate wetting and the leveling at small dosages. Generally speaking, half the dosage of a standard silicone should be sufficient to achieve optimum leveling and substrate wetting. BYK-UV 3510 is particularly suitable for high-speed machines where the decreased tendency to stabilize foam has a positive effect. Its good compatibility with standard binders enables highly transparent coatings to be produced.

Recommended Use

BYK-UV 3510 is particularly recommended for all non-aqueous, radiation-curable overprint varnishes.

Recommended Levels

0.2-0.6 % additive (as supplied) based upon total formulation.

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.



Additive Guide



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