

BYK-3540

Silicone- and APEO-free leveling additive for automotive and industrial coatings, especially ED coatings, used to avoid surface defects with a simultaneous defoaming effect.

Product data

Composition

Solution of a polyether

Silicone-free
APEO-free

Typical properties

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

Density (20 °C):	0.90 g/ml
Solvents:	Propylene glycol-n-butyl ether
Refractive index (20 °C):	1.453
Non-volatile matter (10 min., 150 °C):	80.5 %
Flash point:	33 °C

Storage and transportation

Separation or turbidity may occur at temperatures below 5 °C. Warm to 20 °C and mix well.
Mix well before use.

Applications

Coatings industry

Special features and benefits

BYK-3540 improves leveling in automotive and industrial coatings that are applied using ED technology. The additive minimizes surface defects, such as cratering, and increases the gloss of the baked coatings. At the same time, BYK-3540 has a defoaming effect on the system.

Due to its silicone-free nature, the additive has no negative impact on the adhesion of subsequent layers or sealants.

Recommended use

BYK-3540 is particularly suitable for ED coatings used as automotive and industrial coatings.

Recommended levels

0.2-3 % additive (as supplied) based on the 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

BYK-3540 can be post-added to the total formulation. Furthermore, the additive can also be combined with the pigment paste or introduced during synthesis.



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This issue replaces all previous versions.