BYK-ES 80

Conductivity additive for solvent-borne, electrostatically-sprayed coating systems for increasing electrical conductivity.

Product Data

Composition
Solution of an alkylol ammonium salt of an unsaturated carboxylic acid ester

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

Amine value:	140 mg KOH/g
Acid value:	140 mg KOH/g
Density (68 °F):	8.43 lbs/US gal
Solvents:	Isobutanol
Flash point:	104 °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.

Applications

Coatings Industry

Special Features and Benefits
BYK-ES 80 increases the electrical conductivity of liquid coatings. It maintains the film coating properties, such as adhesion, does not cause discoloration and stabilizes viscosity.

Recommended Use
The additive is recommended for automotive OEM coatings and industrial coatings that are electrostatically sprayed on.

Recommended Levels
0.2-2 % additive (as supplied) based on the total formulation, depending on the polarity of the system.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

BYK-ES 80 can be post-added to the coating. In non-polar systems that are only diluted with white spirit or xylene, BYK-ES 80 should be diluted with isobutanol (1:1 or 1:2) beforehand so as to improve compatibility and performance.

Special Note

The additive may shorten the pot life of two-component systems.

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