

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 (20 °C): 1.01 g/ml
Solvents: Isobutanol
Flash point: 40 °C

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.



Additive Guide



BYK-Chemie GmbH
P.O. Box 10 02 45
46462 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com

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. ACTAL®, ADJUST®, ADVITROL®, ASTRABEN®, BENTOLITE®, CLAYTONE®, CLOISITE®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, LAPONITE®, MINERAL COLLOID®, OPTIBENT®, OPTIFLO®, OPTIGEL®, PURE THIX®, RHEOCIN®, RHEOTIX®, RIC-SYN®, TIXOGEL®, and VISCOSEAL® are registered trademarks of BYK Additives. AQUACER®, AQUAMAT®, AQUATIX®, CERACOL®, CERAFAK®, CERAFLLOUR®, CERAMAT®, CERATIX®, HORDAMER®, and MINERPOL® are registered trademarks of BYK-Cera. SCONA® is a registered trademark of BYK Kometra.

The information herein is based on our present knowledge and experience. The information merely describes the properties of our products but no guarantee of properties in the legal sense shall be implied. We recommend testing our products as to their suitability for your envisaged purpose prior to use. No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding any products mentioned herein and data or information set forth, or that such products, data or information may be used without infringing intellectual property rights of third parties. We reserve the right to make any changes according to technological progress or further developments.

This issue replaces all previous versions – Printed in Germany