

BYK-3900 P

Polyacrylate-based powdered standard anti-cratering and leveling additive for powder coatings. Leveling additive with improved tolerance to impurities.

Product Data

Composition

Polyacrylate, adsorbed on silicon dioxide

Typical Properties

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

Acrylate content: 63 %
Density (68 °F): 10.68 lbs/US gal
Residue after calcining: 34 %
Supplied as: Powder

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

Powder Coatings

Special Features and Benefits

BYK-3900 P is an extremely effective leveling and anti-cratering additive for particularly critical powder coating systems. It increases the tolerance of the powder coating systems to impurities which can arise when manufacturing the powder coating and in its application ("post-wetting" effect). BYK-3900 P prevents cratering, pinholes and other surface defects in the powder coating.

Recommended Use

Recommended for powder coatings based on epoxides, polyester/epoxide, polyester, polyurethane and acrylate. The product is also suitable for use in UV-curing powder coating systems.

Recommended Levels

0.5-1.5 % 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 is mixed with resin, hardener, pigments and other raw materials in a high-speed mixer and then extruded. Good dispersion of the additive by the extruder promotes gloss and leveling of the powder coating and prevents the formation of craters, fish eyes and seeds.

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Data Sheet
Issue 02/2013

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This issue replaces all previous versions – Printed in the USA