BYK-3931 P

Polyacrylate-based powder synergist with effective anti-cratering properties.
Use in combination with standard leveling additives.

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 (20 °C):	1.34 g/ml
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-3931 P is an extremely effective anti-cratering additive, which is used in addition to standard leveling additives as a result of its synergistic effect. In demanding powder coating systems it boosts the effect of conventional leveling additives and, as a result of its high interfacial coating/air activity, it prevents craters, fish eyes and pinholes being formed. The result is smooth and perfect leveling.

Recommended Use
Recommended for powder coatings based on epoxides, polyester/epoxide, polyester, polyurethane and acrylate. BYK-3931 P is preferably also used in binder-rich formulations with increased susceptibility to cratering.
The product is also suitable for UV-curing powder coating systems.

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 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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