BYK
Additives & Instruments

BYK-364 P

Polyacrylate-based powdered surface additive for powder coatings.
Polar anti-cratering and leveling additive to support pigment and substrate wetting.

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:	60 %
Density (20 °C):	1.32 g/ml
Residue after calcining:	37 %
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-364 P is an effective anti-cratering additive. It reduces the orange peel effect by optimizing the leveling properties of the powder coating. Pinholes, fish eyes and other surface defects are prevented. The polar structure of the additive improves pigment wetting and substrate wetting. A better DOI value (distinctness of image) and a surface with fewer pinholes is achieved, especially in TGIC-alternative powder coating systems. BYK-364 P is an OH-reactive additive which can be integrated in the polymer compound by reacting with suitable binders.

Recommended Use
The additive is recommended for powder coatings based on epoxy, polyester, polyurethane and acrylate resins and polyester/epoxy combinations.

Recommended Levels
0.5-2 % additive (as supplied) based upon total formation.

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
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