

BYK-3938 P

Powdered post-add surface additive for the matting of powder coatings.

Product Data

Composition

Modified phyllosilicate

Label-free

Typical Properties

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

Solid content:	> 99 %
Particle size distribution (laser diffraction):	D50: 11-16 µm, D90: 20-30 µm
Density (20 °C):	2.75 g/ml
Supplied as:	fine white powder

Applications

Powder Coatings

Special Features and Benefits

BYK-3938 P is added to the finished powder coating and has a matting effect. The degree of gloss reduction depends on the dosage. This enables the use of BYK-3938 P to cover a wide range of applications according to individual requirements, from a few gloss units for adjustment during quality control through to deep-matt surfaces for decorative applications. BYK-3938 P is temperature resistant, weather resistant, and does not yellow. It is label-free and non-reactive.

Recommended Use

BYK-3938 P is recommended for all powder coating systems based on epoxy, polyester, polyurethane, and acrylate resin, as well as for polyester/epoxy resin combinations.

The additive can be used in all pigmented systems, in clearcoats, and also in fine textures.

Recommended Levels

0.5-10 % additive (as supplied) based on the total formulation, depending on the desired gloss reduction.

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

Incorporation and Processing Instructions

BYK-3938 P is mixed with the finished powder coating. The post-addition and mixing should preferably be carried out using suitable mixing equipment, such as tumble mixers. In laboratory tests, BYK-3938 P is mixed in via shaking in a cup. Incorporation via extrusion is not recommended.

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This issue replaces all previous versions.