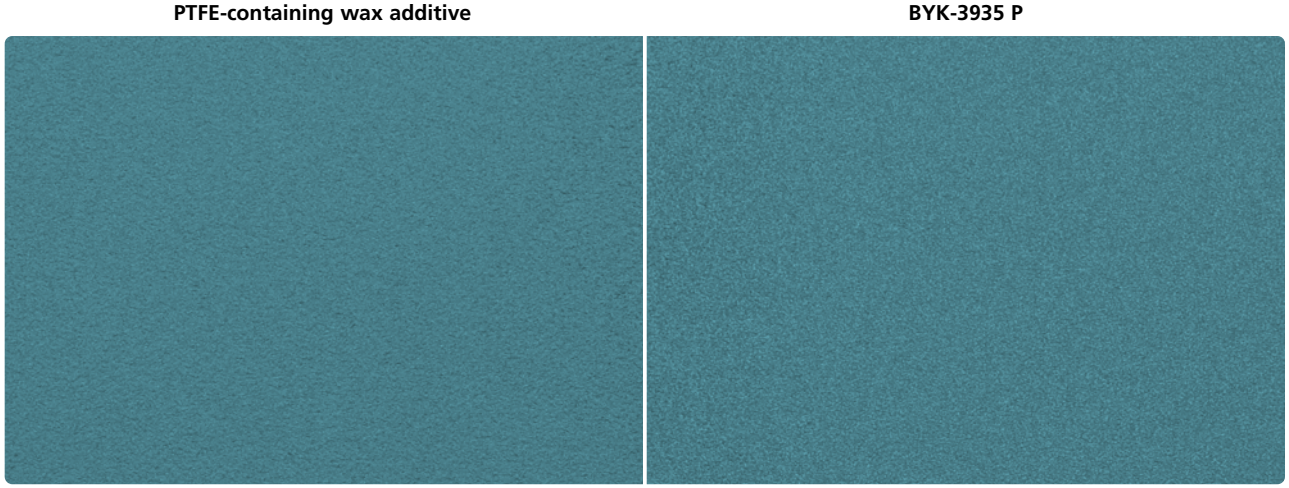
BYK-3935 P

PTFE-free additive providing fine surface textures in powder coatings

The potential ECHA* restrictions on PFAS-/PTFE-containing additives represent a critical regulatory challenge for the powder coatings industry. The awaited prohibition of PFAS/PTFE usage will impact established coating technologies and require extensive reformulation efforts.

Nevertheless, it is possible to replace PTFE when the creation of fine textures in powder coatings is required: The new BYK-3935 P is a phyllosilicate-based additive that is the closest match to PTFE standard products. It provides a linear gloss reduction that can be controlled by adjusting the additive dosage. Furthermore, powder coatings with BYK-3935 P are distinguished by soft-touch and scratch-resistant surfaces.

BYK-3935 P – Closest match to PTFE



Test system: polyester/epoxy hybrid system

Camera picture, close-up

*ECHA: European Chemicals Agency (https://echa.europa.eu/home)



Benefits

- Produces fine surface textures ranging from semi-gloss to deep matte
- Provides soft-touch properties and good scratch resistance
- Wide range of applications
- Gloss values can be precisely and individually adjusted by varying the dosage
- PFAS-/PTFE-free

Applications

- Powder coatings

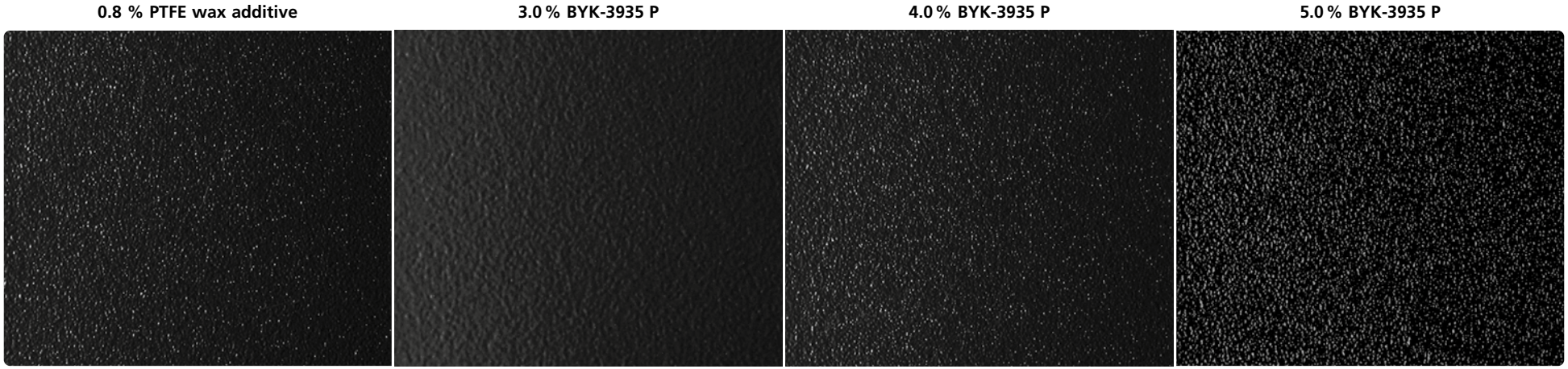
Technical data

- Modified phyllosilicate
- Particle size distribution D50: 17 µm
- Particle size distribution D90: 42 µm
- Density (20 °C): 1.51 g/cm³
- Delivery form: powder

BYK-3935 P enables adjustable fine textures and gloss values in various systems



Test system: polyester/epoxy hybrid system; BYK-3935 P dosages (see pictures) as supplied based on the total formulation



Test system: HAA (β-hydroxy alkylamide) system; each additive dosage (see pictures) as supplied based on the total formulation

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10/2026