

BYK-3908 P

Anti-crater and leveling additive for maximum transparency in clear powder coatings

Due to the inherent behavior during melting and curing, powder coatings present some challenges when perfect surfaces are required. Thus, an effective leveling additive is necessary to avoid surface defects such as orange peel, craters, and pinholes.

In addition, the delivery form of the additive has an impact. A solid additive in which all components can melt increases the clarity and reduces the risk of haziness in powder coatings.

This is particularly important in demanding applications such as automotive components, architectural elements, furniture, and consumer goods, where visual excellence is a key performance requirement.

To provide such high clarity in powder coatings, BYK-3908 P is silica-free – all components melt during extrusion and curing and leave no particles behind. The new BYK-3908 P creates perfect surfaces and unlocks the full potential of powder clearcoat technology.

Benefits

- Excellent leveling, no surface defects, superior DOI
- No silica carrier → no haze, maximum transparency
- Enhanced resin compatibility for maximum formulation flexibility
- Pelletized, dust-free additive
- Easy to handle
- Silicone-free

Maximum transparency with BYK-3908 P

Conventional additive



Silica carrier
Conventional
active ingredient

BYK-3900 P



Silica carrier
Optimized
active ingredient

BYK-3908 P



**No
silica carrier**
Optimal
active ingredient

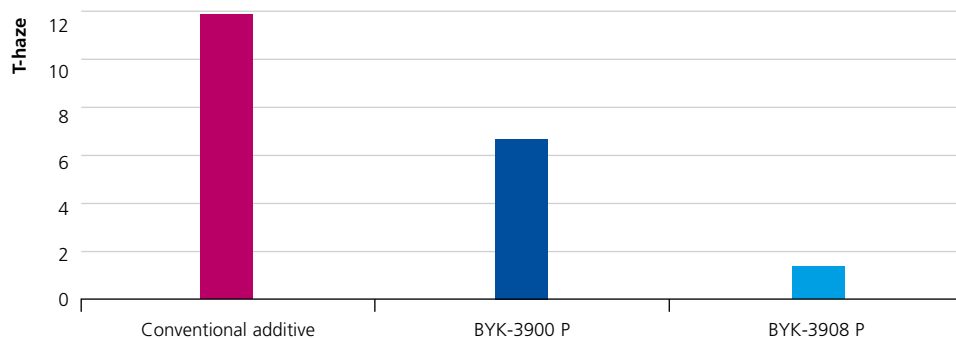
Test system:

Polyester powder clearcoat; additive dosage 1.5 % (as supplied) based on the total formulation

Test method:

The powder clearcoat was applied to an aluminum panel and then the reflection photographed.

Minimal haze with BYK-3908 P – T-haze measurement



Test system: Polyester powder clearcoat; additive dosage 1.5 % (as supplied) based on the total formulation

Test method: T-haze measurement with haze-gard® by BYK Instruments

Applications

- Powder coatings

Technical data

- Mixture of polyacrylate and alkyl ester
- Bulk density: 650 kg/m³
- Active substance: 100 %
- Melting point: 60 °C
- Delivery form: pellet



Your local
contact

BYK-Chemie GmbH
Abelstraße 45
46483 Wesel
Germany
Tel +49 281 670-0

info@byk.com
www.byk.com

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