

DISPERBYK-2205

Solid Wetting and Dispersing Additive for Organic and Inorganic Pigments in a Multitude of Solvent-borne Applications and UV Printing Inks

DISPERBYK-2205 is an extension of BYK's product family of solid additives and is an exceptionally effective wetting and dispersing additive.

DISPERBYK-2205 has an optimum molecular weight to be highly compatible with a multitude of different systems and to result in excellent pigment stabilization and low viscosities. In addition, its reduced amine value and therefore virtually neutral character enable it to be used in acid-catalyzed systems. Coatings that are manufactured with DISPERBYK-2205 are characterized by high gloss and low haze. In printing ink applications it can also be used for medium-polarity systems and even UV systems.



DISPERBYK-2205 as supplied (pellets)

Benefits



- Stabilizes a multitude of organic and inorganic pigments
- Suitable for all low to medium-polarity systems
- In pigment concentrates:
 - low millbase viscosity
 - high pigment load possible
 - generates Newtonian flow behavior
 - improves color strength
- In co-grinds:
 - reduces flooding/floating
 - significantly increases the in-can storage stability

Applications



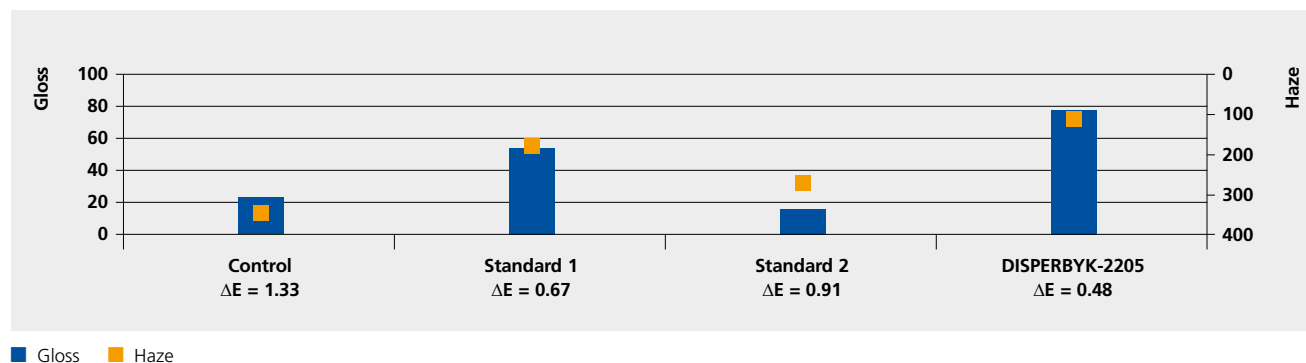
- Industrial coatings
- Coil coatings
- Automotive coatings
- Wood and furniture coatings
- Printing inks
- Inkjet inks

Technical Properties



- Amine value: 27 mg KOH/g
- Acid value: 24 mg KOH/g
- Density (20 °C): 1.03 g/ml
- Non-volatile matter (30 min., 150 °C): 100 %
- Flash point: > 120 °C
- Melting point: 50 °C
- Supplied as: pellets

DISPERBYK-2205 – Excellent Color Strength and Gloss with a Very Low Tendency Towards Haze



Test system: Alkyd/melamine baking coating, pigment content: 25.4 %, 6 % additive solid based on the pigment

Extremely Good Viscosity Reduction with DISPERBYK-2205



Pigment concentrate with 3 % DISPERBYK-2205 based on the pigment Ferro® PK 5091 (65 % pigment content). Ferro PK is a registered trademark of Ferro GmbH Performance Pigments and Colors.

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