

AQUACER 534

MOSH-/MOAH-free wax emulsion for aqueous systems

In many applications, stricter requirements are being imposed on product safety and environmental compatibility. In printing ink systems, and particularly in food contact applications, the market expects products to be free of MOSH (mineral oil saturated hydrocarbons) and MOAH (mineral oil aromatic hydrocarbons), for example.

BYK is therefore consistently developing alternatives to existing additives. The new AQUACER 534 is a wax emulsion for aqueous systems that meets these requirements while providing application results comparable to those of conventional wax additives.

Best rub resistance with AQUACER 534



Gloss: 10/43

Gloss: 11/46

Gloss: 10/47

Gloss: 11/47

Control

AQUACER 530

AQUACER 531

AQUACER 534

Benefits

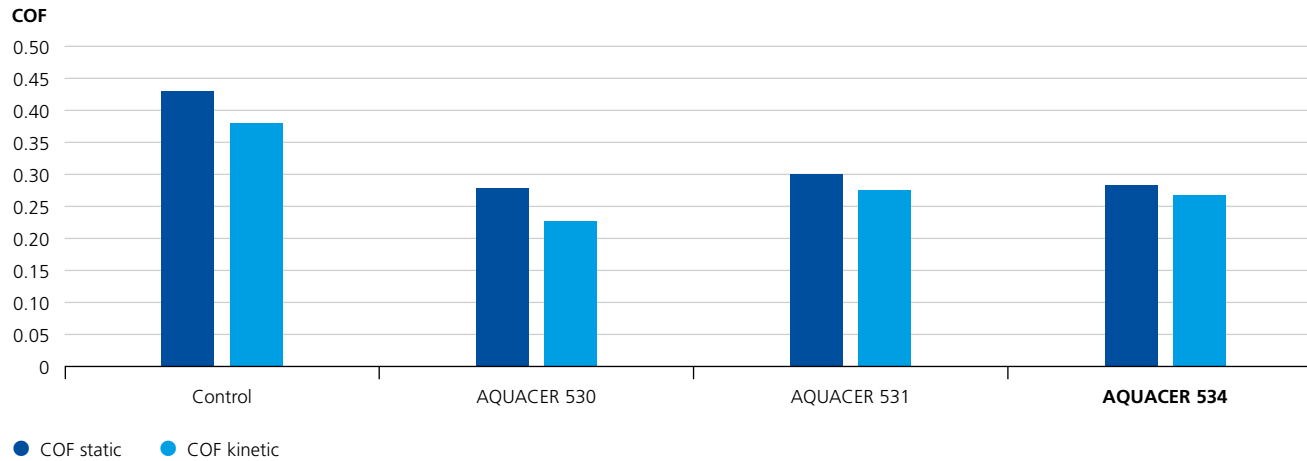
- MOSH/MOAH-free*
- Improved rub and scratch resistance in aqueous systems
- Higher gloss
- Easy incorporation

* in accordance with French regulations

Gloss measurement at angles: 20°/60°

Test system: red OPV formulation based on Joncryl® 90 and Joncryl® 8085, 2 % solid wax additive based on the total formulation
Test method: apply OPV onto cardboard and dry for 24 hours at room temperature. Test rub resistance with prüfbau Quartant, 400 strokes. Then measure gloss levels at 20°/60° angles using micro-TRI-gloss (BYK Instruments).

AQUACER 534 increases the gloss



● COF static ● COF kinetic

Test system: OPV with Joncryl® 90 and Joncryl® 8085

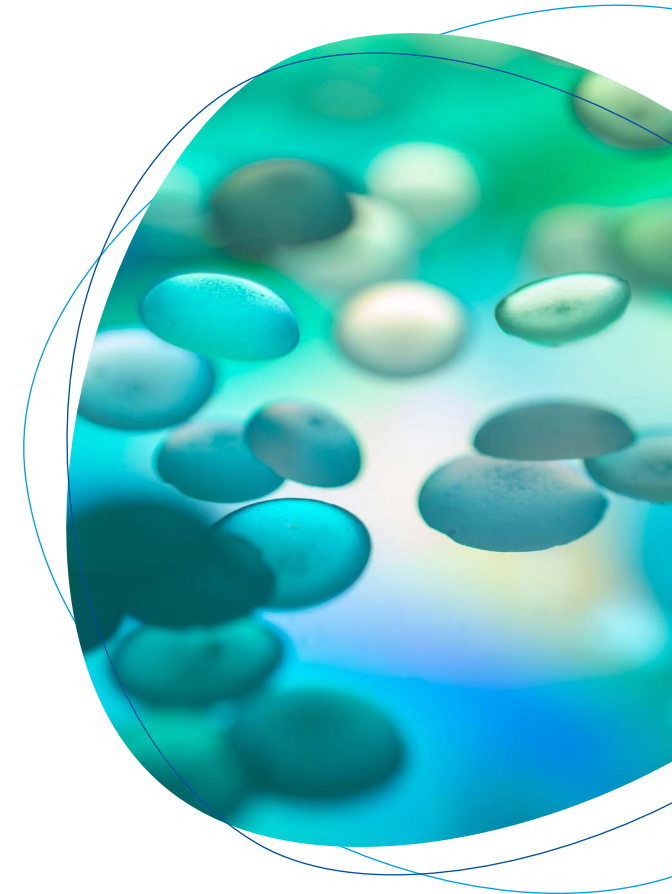
Additive dosage: 2 % solid wax additive based on the total formulation

Applications

- Printing inks
- Architectural coatings
- Wood and furniture coatings
- Adhesives and sealants
- Thermoplastics

Technical data

- Non-ionic emulsion based on modified polyethylene wax
- pH value: 3.5
- Non-volatile matter (60 min, 125 °C): 45 %
- Carrier: water
- Melting point (wax content): 130 °C
- Viscosity (23 °C): 125 mPa·s
- Delivery form: emulsion



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