

AQUACER 507

HDPE-based wax emulsion for improved surface properties in aqueous coating systems.

Product Data

Composition

Anionic emulsion of an oxidized HD polyethylene wax

Typical Properties

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

Non-volatile matter (60 min., 125 °C):	35 %
Carrier:	Water
Melting point (wax content):	130 °C
Viscosity (23 °C, D=800/s):	25 mPa·s
pH value:	9.7

Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

Storage and Transportation

Temperature sensitive. To be stored and transported between 5 °C and 35 °C. Stir before use.

Applications

Coatings Industry

Special Features and Benefits

The additive increases the surface hardness and surface slip of the coating. In addition, it reduces short wave defects (mottling, Bénard cells), and improves leveling (DOI). In metallic coatings, it enhances the flip-flop effect.

Recommended Use

The additive is recommended for non-ionic and anionic aqueous automotive finishes.

Recommended Levels

8-16 % additive (as supplied) based upon solid binder for automotive OEM coatings.

15-30 % additive (as supplied) based upon a solid binder for automotive refinish coatings.

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

Incorporation and Processing Instructions

The additive is preferably incorporated into the coating at the end of the production process with low shear rate. Stir well before use.

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