AQUACER 1039

Paraffin wax emulsion for improved surface characteristics in aqueous coatings and printing inks.

Product Data

Composition
Non-ionic emulsion of modified paraffin wax

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

Non-volatile matter:	35 %
Carrier:	Water
Melting point (wax content):	194 °F
Viscosity (73 °F, D=400/s):	35 mPa·s
pH value:	9.5

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 / 41 °F and 35 °C / 95 °F.

Special Note
Intercoat adhesion must be verified in multi-layer systems.

Applications

Liquid Coatings

Special Features and Benefits
The additive has a hydrophobic effect and improves antiblocking. It increases surface slip, scratch and srub resistance resistances, and creates a soft-feel effect.

Recommended Use

Architectural coatings	■
Wood and furniture coatings	■

■ especially recommended □ recommended

Recommended Levels
1-6 % additive (as supplied) based on the total formulation - in exceptional cases up to 8 %.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests. The recoatability and intercoat adhesion should be verified in multi-layer systems, particularly at higher doses.

Incorporation and Processing Instructions
The additive should preferably be incorporated at the end of the production process using a low shear rate. Mix well before use.

Printing Inks

Special Features and Benefits
The additive has a hydrophobic effect and improves antiblocking. It increases the surface slip, scratch resistance and scrub resistance.

Recommended Use
For aqueous printing inks and overprint varnishes.

Recommended Levels
3-15 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests. The recoatability and intercoat adhesion should be verified in multi-layer systems, particularly at higher doses.

Incorporation and Processing Instructions
The additive should preferably be incorporated at the end of the production process using a low shear rate. Mix well before use.

Leather Finishes

Special Features and Benefits
The additive has a hydrophobic effect and improves antiblocking. It increases surface slip, scratch and scrub resistances, and creates a soft-feel effect.

Recommended Levels
1-3 % additive (as supplied) based on the total formulation – in exceptional cases up to 4 %.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests. The recoatability and intercoat adhesion should be verified in multi-layer systems, particularly at higher doses.

Incorporation and Processing Instructions
The additive should preferably be incorporated at the end of the production process using a low shear rate. Mix well before use.

Additive Guide

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