

# 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):	90 °C
Viscosity (23 °C, D=400/s):	35 mPa·s
pH value:	9.0

### Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit [www.byk.com](http://www.byk.com) for further information.

### Storage and Transportation

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

### 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 scrub resistance, and creates a soft-feel effect.

### Recommended Use

Architectural coatings	<input checked="" type="checkbox"/>
Wood and furniture coatings	<input checked="" type="checkbox"/>

☒ 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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