

AQUACER 530

Wax emulsion for improved surface characteristics in aqueous printing inks, overprint varnishes, wood and furniture coatings as well as inkjet inks.

Product Data

Composition

Non-ionic emulsion based on an oxidized HDPE wax

Typical Properties

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

Non-volatile matter (60 min. at 125 °C; DIN EN ISO 3251):	32 %
Carrier:	Water
Melting point (wax content):	130 °C
Viscosity (20 °C, D=800/s):	< 50 mPa·s
pH value:	8

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.

Special Note

The additive must be homogenized before use.

Applications

Liquid Coatings

Special Features and Benefits

AQUACER 530 improves the mechanical strength and reduces the coefficient of friction in aqueous coatings.

Recommended Use

Wood coatings	<input type="checkbox"/>
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☒ especially recommended ☐ recommended

Recommended Levels

2-8 % 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.

Incorporation and Processing Instructions


AQUACER 530 is preferably added at a moderate shear rate whilst stirring.

Aqueous Printing Inks and Overprint Varnishes

Special Features and Benefits

AQUACER 530 improves abrasion resistance and reduces the coefficient of friction in printing inks or overprint varnishes.

Recommended Use

Printing inks and overprint varnishes	
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 especially recommended  recommended

Recommended Levels

2-11 % 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.

Incorporation and Processing Instructions

AQUACER 530 is preferably added at a moderate shear rate whilst stirring.

Inkjet Inks

Special Features and Benefits

AQUACER 530 improves the scratch and abrasion resistance without negatively impacting viscosity or gloss.

Recommended Use

AQUACER 530 is suitable for use in aqueous inkjet inks.

Recommended Levels

1-5 % 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.

Incorporation and Processing Instructions

AQUACER 530 is preferably added at a moderate shear rate whilst stirring.



Additive Guide



BYK-Chemie GmbH
P.O. Box 10 02 45
46462 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com

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