AQUACER 497

Paraffin-based wax emulsion for aqueous coatings, printing inks as well as care products and polishes for improving water repellency and surface slip.

Product Data

Composition
Non-ionic aqueous emulsion of a paraffin wax

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

Non-volatile matter:	50 %
Carrier:	Water
Melting point (wax content):	60 °C
Viscosity (23 °C, D=800/s):	< 50 mPa·s
pH value:	5.5

Food Contact Legal Status
The additive is suitable for applications that come into contact with food. 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. Mix well before use.

Applications

Coatings and Printing Inks

Special Features and Benefits
The additive improves water repellency and anti-blocking in aqueous coatings; it also increases surface slip.

Recommended Use

Architectural coatings	■
Leather coatings	■
Printing inks and overprint varnishes	■

■ especially recommended

Recommended Levels
1-3 % additive (as supplied) based on the total formulation for coatings.

2-5 % additive (as supplied) based on the total formulation for printing inks.

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 should preferably be added to the coating at the end of the production process using a low shear rate. Mix well before use.

Care Products and Polishes

Special Features and Benefits
AQUACER 497 increases gloss and improves polishability. After polishing, the paraffin wax provides protection against abrasion and marks on the treated surface. Weather resistance is improved. The melting point of 60 °C means that AQUACER 497 can easily be polished up using a soft terry cloth or microfiber cloth without the use of mechanical tools.

Recommended Use
AQUACER 497 is used for maintaining and protecting coated surfaces as well as wood and metals.

Recommended Levels
1-25 % additive (as supplied) based on the total formulation.

A higher dosage is possible, however the polishability must be checked separately in this case. 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 can be incorporated during any stage of the production process whilst stirring. In accordance with the formulation, abrasives and pigments should be used before the addition of the paraffin wax emulsion. Surface-active substances must be added at the end of the production process, as otherwise there is a tendency to foam during production.

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