AQUACER 497

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

Product data

Composition
Non-ionic emulsion based on a paraffin wax

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

pH value:	6.5
Non-volatile matter:	50 %
Carrier:	water
Melting point (wax content):	60 °C
Viscosity (23 °C):	< 50 mPa·s
Delivery form:	emulsion

Storage and transportation
Product shelf life in unopened original packaging: 15 months
Temperature sensitive. To be stored and transported between 5 °C and 35 °C. Stir before use.

Applications

Coatings industry

Special features and benefits
AQUACER 497 improves the water repellency and the anti-blocking in aqueous coatings. The additive increases surface slip and at the same time has no significant influence on the gloss of the system.

Recommended use

Architectural coatings	■
Wood and furniture coatings	□

■ especially recommended □ recommended

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

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

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.

Printing inks

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

Recommended levels
2-5 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

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.

Paper coatings

Special features and benefits
AQUACER 497 provides good resistance to liquids and water vapour in functional barrier coatings. In addition, it can also offer an improvement in the grease resistance of coatings.

Recommended levels
5-30 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions
The additive should preferably be mixed well before use to avoid any inhomogeneity. AQUACER 497 should be added using a low shear rate and preferably before incorporating surface-active substances.

Your local contact

BYK-Chemie GmbH
Abelstraße 45
46483 Wesel
Germany
Tel +49 281 670-0
info@byk.com
www.byk.com