

# KAPPAVON U

## Sustainable printing auxiliary

Chemical composition	composition of glycol derivate and polymer
Appearance	colourless liquid
pH-value 20 °C	7.0 - 8.5
Density 20 °C (g/ml)	approx. 1.0

### Function

KAPPAVON U is an additive to formulate printing pastes with reactive, direct and acid dyestuff. The product has been developed to replace urea because of its negative impact on the environment, especially in wastewater systems.

KAPPAVON U is 100 % biodegradable.

### Application

In printing pastes with reactive, direct or acid dyestuff, generally 5 g KAPPAVON U can replace 100 g urea without affecting the colouring of the finished material.

In case of viscose qualities 150 g of urea are replaced with 7.5 g of KAPPAVON U and 75 g of urea.

For difficult viscose qualities the following procedure is recommended when printing:

- 3.0 – 5.0 g/kg NaOH 38 °Be
- Temperature: 70 – 80 °C
- Time: 30 minutes

Another wash cycle can also be carried out to optimize the result:

- 5.0 g/kg KAPPAVON U
- Temperature: 70 – 80 °C
- Time: 30 minutes

Afterwards the standard drying process follows.

A small content, approx. 30 % urea together with KAPPAVON U in the printing paste, results in a brighter colour shade in turquoise reactive printing. In order to achieve an optimal effect, the humidity in the steamer should be higher than in the standard process with urea. With KAPPAVON U, stains caused by dripping off moisture are minimized. Preliminary tests for an ideal setting of the steamer are recommended.

Due to its liquid form, KAPPAVON U is easy to use in automatic dosing systems and can be added directly to the printing paste.

### Dilution instruction

KAPPAVON U can be diluted with cold water at any ratio.

### Storage

KAPPAVON U remains stable for at least 1 year if stored properly and cool in a tightly closed original container.

When using the products, the precautionary measures applicable to the handling of chemicals must be observed. For storage and hazard information as well as safety advice, please refer to the relevant safety data sheets. Application solutions and product residues must be disposed of in accordance with official regulations. The listed instructions correspond to our previous experience. However, in view of the different operating conditions, only non-binding information and advice can be given. Therefore, we cannot accept any liability whatsoever, including liability for claims by third parties. Errors, changes and misprints excepted. Non-binding product information, print date Feb 14, 2022, not subject to systematic change.

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### Standards (further on request)

- GOTS
- ZDHC

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