

# KAPPAFIX RAN A

## Fixing agent for dyes and prints with reactive and direct dyestuff

Chemical composition	formulation of polyethylenpolyamines
Appearance	yellowish liquid
pH-value 20 °C	6.0 – 8.0 (product)
Density 20 °C (g/ml)	1.0 – 1.4
Ionic charge	cationic

### Function

KAPPAFIX RAN A is a formaldehyde-free fixing agent developed to improve the wet fastness of dyes and prints with reactive and direct dyestuffs. The product does not significantly impact the handle of the treated fabric. KAPPAFIX RAN A has a minimal influence on light fastness. The product can have an influence on the shade.

### Application

KAPPAFIX RAN A is suitable for exhaustion and padding processes. Acetic or citric acids should be used to ensure a pH-value around 6.0. The product is applied after thorough rinsing and soaping of printed or dyed goods. KAPPAFIX RAN A is readily pourable, soluble in water and compatible with nonionic and cationic auxiliaries. Pre-trials to determine the exact consumption are recommended.

#### Recommended application levels depending on the shade:

##### Exhaustion process

- light to medium shade: 0.4 - 1.6 % KAPPAFIX RAN A
- dark shade: 1.2 - 2.0 % KAPPAFIX RAN A
- Treatment time: 15 - 30 minutes
- pH-value: approx. 6
- Temperature: 40 - 50 °C

##### Padding process

- light to medium shade: 4.0 - 12.0 g/l KAPPAFIX RAN A
- dark shade: 12.0 - 20.0 g/l KAPPAFIX RAN A
- Pick-up: 60 - 70 %
- pH-value: approx. 6
- Drying temperature: 130 - 170 °C

##### Continuous washing machine

- light to medium shade: 4.0 - 12.0 g/l KAPPAFIX RAN A
- dark shade: 12.0 - 20.0 g/l KAPPAFIX RAN A
- Bath temperature: 30 - 40 °C
- pH-value: approx. 6
- Drying temperature: 130 - 170 °C

KAPPAFIX RAN A should be added to the last box in the continuous washing-off machine. Dosages can vary upon local conditions of the mill.

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 Mar 14, 2023, not subject to systematic change.

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### Stripping process

If off-shade dyes are to be stripped or cross-dyed, KAPPAFIX RAN A needs to be removed beforehand. The treatment is carried out at a temperature of 100 °C for 30 minutes.

### Dilution instruction

KAPPAFIX RAN A can be diluted with cold water at any ratio and it can be added diluted or undiluted to the liquor.

### Storage

KAPPAFIX RAN A remains stable for at least 6 months if stored properly and cool in a tightly closed original container.

Protect from frost, heat and sunlight!