

# KAPPASTAT AQ

## Antistatic finishing agent for synthetic fibres

Chemical composition	quaternary ammonium compound
Appearance	clear, pale yellow liquid
pH-value 20 °C	approx. 5
Density 20 °C (g/ml)	approx. 1.15
Ionic charge	weakly cationic
Viscosity (Haake, 20 °C, mPa.s)	ca. 30

### Function

KAPPASTAT AQ is an antistatic finishing agent for synthetic fibres. The product does not cause yellowing of the fibre at elevated drying temperatures or if high concentrations are applied. KAPPASTAT AQ has no significant impact on handle. The product can be used in water or oil repellent finishing liquors and coating pastes. Since KAPPASTAT AQ is water-soluble and not fixed on the substrate, the antistatic effect is not permanent.

### Application

The exact application levels depend on the fabric and should be determined in pre-trials. The liquor stability is at pH 3 – 10.

#### Padding process

##### Finishing of polyester:

- 10 – 30 g/l KAPPASTAT AQ
- 1 g/l acetic acid 60 %
- Drying at 120 – 140 °C
- Thermofixing at 170 – 190 °C

##### Finishing of polyester (water and oil repellent finishing with antistatic effect):

- 10 – 40 g/l KAPPASTAT AQ
- 30 – 60 g/l KAPPAPHOB OC 620
- 1 g/l acetic acid 60 %
- Drying at 170 °C, 40 – 60 seconds

##### Finishing of polyacrylonitrile:

- 20 – 40 g/l KAPPASTAT AQ
- 1 g/l acetic acid 60 %
- Drying at 120 – 170 °C

#### Exhaustion process

- 1 – 3 % KAPPASTAT AQ
- 1 g/l acetic acid 60 %

#### Spray application

##### Weko rotor spray unit

- 30 – 90 g/l KAPPASTAT AQ

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.

### Contact

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- Drying at 120 – 170 °C

It is important to ensure good ventilation of the room during spray application to prevent aerosol particles released during spraying spreading through the workplace.

### **Dilution instruction**

KAPPASTAT AQ can be easily diluted with cold or warm water at any ratio.

### **Storage**

KAPPASTAT AQ remains stable for at least 1 year if stored properly in a tightly closed container.

Do not expose to frost!