Kappastat AE
Antistatic finishing agent with strong wetting properties for synthetic fibres

Chemical-Physical Data
- **Chemical composition:** organic compound
- **Appearance:** clear liquid
- **pH-value 20 °C (0.1 %):** approx. 7
- **Ionic charge:** anionic
- **Viscosity (Haake, 20 °C, mPa.s):** approx. 30

Function
- Reduces the electrostatic charge of synthetic fibres, in particular of polyester.
- Can be applied together with anionic and nonionic softeners.
- Can be used due to the strong wetting properties as a wetting agent.

Since Kappastat AE is water-soluble and not fixed on the substrate, the antistatic effect is not permanent.

Application
Kappastat AE can be applied in exhaustion or padding process as well as by spray application.

Dyeing or bleaching of flakes, yarns, woven as well as garments (application in the last bath)

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 g/l</td>
<td>Acetic acid 60 %</td>
</tr>
<tr>
<td>2 – 5 g/l</td>
<td>Kappastat AE</td>
</tr>
</tbody>
</table>

Final finishing of polyamide, acrylic, polyester and blends

Padding application:

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 g/l</td>
<td>Acetic acid 60 %</td>
</tr>
<tr>
<td>5 – 10 g/l</td>
<td>Kappastat AE</td>
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</tbody>
</table>

Rotor spray application:

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 g/l</td>
<td>Acetic acid 60 %</td>
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<tr>
<td>15 – 50 g/l</td>
<td>Kappastat AE</td>
</tr>
</tbody>
</table>

Drying: 120 – 130 °C

It is essential to ensure good ventilation and efficient extraction as aerosol particles are released during spraying. Experience indicates that slightly higher quantities are required for polyamide than for acrylics and polyester.

Treatment of carpets
Spray application of a concentrated liquor.

Spinning
Kappastat AE is applied in the spinning of synthetic fibres, fibre blends such as polyester/wool and wool. Normally a combination with other preparation agents is necessary. Therefore pre-trials are essential.

Dilution Instruction
Kappastat AE can be diluted with cold or warm water, but can also be added directly to the liquor.

Storage
Kappastat AE remains stable for at least 6 months if stored properly in a tightly closed container.