KAPPAPHOB NI 6
Ecologically optimized fluorocarbon polymer emulsion

CHEMICAL-PHYSICAL DATA
Chemical composition: fluorocarbon polymer in aqueous emulsion
Appearance: beige emulsion
pH-value 20 °C (product): 2.0 – 5.0
Density 20 °C (g/ml): approx. 1.12
Solids content (%): approx. 30
Ionic charge: nonionic

FUNCTION
KAPPAPHOB NI 6 is a nonionic product which is compatible with anionic auxiliaries (e. g. polymer emulsions) and cationic additives (silicones require preliminary trials) and thus especially used for the finishing of technical textiles. The product is suitable for all natural and synthetic types of fibres and their blends.

KAPPAPHOB NI 6 is a fluorocarbon polymer which does not contain any verifiable perfluoro octane acids, perfluoro octane sulfonic acids or other parts of a perflourinate chain length over 6 C-atoms.

KAPPAPHOB NI 6
- has an excellent water and oil repellent effect.
- has a high stain and fibre protection.
- shows no negative influence on breathability.
- shows no yellowing tendency on linen goods.
- gives a very good emulsion stability of prepared liquors.

APPLICATION
The fabric to be finished must be free of detrimental substances (e. g. residual alkali, sizing agents, preparations, rewetting surfactants, etc.)

Recommended application level depending on requirement, liquor ratio and fabric:

Padding process

<table>
<thead>
<tr>
<th>20 – 60 g/l</th>
<th>KAPPAPHOB NI 6</th>
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<tr>
<td>pH-value of the padding liquor:</td>
<td>3.0 – 5.0, adjust with acetic acid 60 %</td>
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<td>Drying/fixing of natural and synthetic fibres:</td>
<td>150 – 170 °C, 60 – 120 sec</td>
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KAPPAPHOB NI 6 can also be applied by spraying, e. g. WEKO system, due to its good emulsion stability. For the application in spraying processes suitable exhaust devices and corresponding spray devices are necessary and the security advices must be observed.

DILUTION INSTRUCTION
KAPPAPHOB NI 6 can be mixed with water at any ratio.

STORAGE
KAPPAPHOB NI 6 remains stable for at least 6 months if stored properly and cool in a tightly closed container. Do not expose to frost!