

# **KAPPAPHOB FD 6**

## Fluorocarbon polymer emulsion

Chemical composition	aqueous fluorocarbon polymer emulsion
Appearance	yellowish to brown emulsion
pH-value 20 °C	4 - 6 (product)
Density 20 °C (g/ml)	approx. 1,1
Solid Content (%)	approx. 20
Ionic charge	cationic

#### Function

KAPPAPHOB FD 6 is suitable for all types of natural and synthetic fibres and their blends. The product has an excellent oil and water repellent effect.

KAPPAPHOB FD 6 is a fluorocarbon which does not contain any verifiable perfluorooctanoic acids, perfluoro-octanesulfonic acids or other parts of a perfluorinate chain length over 6 C-atoms.

The product meets the following FDA requirements:

- FCN 599 or 21 CFR 176.170 and 176.180,
- FCN 604 or microwave susceptor.

### **Application**

KAPPAPHOB FD 6 can be applied by dip coating, coating, foaming or other methods depending on the fabric condition. For the application in spraying processes suitable exhaust devices and corresponding spray devices are necessary and the security advices must be observed.

The fabric to be finished must be free of detrimental substances (e. g. residual alkali, sizing agents, preparations, rewetting surfactants, etc.). The fabric must also be slightly acidic (pH 4-5).

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

### Padding process (e.g. foulard)

- 1 g/l acetic acid 60 %
- 10 50 g/l KAPPAPHOB FD 6
- Drying: 120 °C
- Fixing: 150 170 °C, 60 120 seconds

#### **Dilution instruction**

 $\ensuremath{\mathsf{KAPPAPHOB}}\xspace \ensuremath{\mathsf{FD}}\xspace 6$  can be diluted with water at any ratio.

#### Storage

KAPPAPHOB FD 6 remains stable for at least 6 months if stored properly and cool in a tightly closed original container.

Do not expose to frost!

# Contact

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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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