

KAPPAPHOB NIC 6

Fluorocarbon polymer emulsion with crosslinker

Chemical composition	fluorocarbon polymer in aqueous emulsion with crosslinker
Appearance	white - beige emulsion
pH-value 20 °C	3.0 - 5.0 (product)
Density 20 °C (g/mL)	approx. 1.05
Solid content (%)	approx. 20
Ionic charge	non-ionic

Function

KAPPAPHOB NIC 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. Due to the combination of fluorocarbon polymer with a cross-linking agent, KAPPAPHOB NIC 6 has a very good resistance to washing and dry cleaning. KAPPAPHOB NIC 6

- has an excellent oil and water repellent effect.
- · has a high stain and fibre protection.
- shows no negative influence on breathability.
- 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

- 20 60 g/l KAPPAPHOB NIC 6
- pH-value of the padding liquor: 3.0 5.0, adjust with acetic acid 60 %
- Drying/fixing of polypropylene: 100 120 °C, 30 180 sec.
- Drying/fixing of natural and synthetic fibres: 150 170 °C, 60 – 120 sec

White fabrics may yellow at temperatures above 150 °C. Preliminary tests are recommended.

KAPPAPHOB NIC 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 NIC 6 can be mixed with water at any ratio.

Storage

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

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 29, 2024, not subject to systematic change.

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