

KAPPALINK SCL

Cross-linking agent to increase the washing and cleaning resistance of fluorocarbon finishes

Chemical composition	isocyanate adduct in aqueous dispersion
Appearance	milky, white emulsion
pH-value 20 °C	approx. 7.0
Density 20 °C (g/ml)	approx. 1.05
Ionic charge	nonionic

Function

KAPPALINK SCL is a thermoplastic type of cross-linking agent which significantly improves the washing and cleaning resistance of finishes with water- and oil repellent agents based on fluorocarbon (types of KAPPAPHOB).

A high dosage of KAPPALINK SCL can lead next to a hardening of handle of dyed goods, to a deterioration of light-fastness or alteration of colour, as well as to yellowing on linen goods.

Application

In combination with KAPPAPHOB fluorocarbon emulsions, KAPPALINK SCL is suitable for all types of fibres and blends (natural as well as synthetic fibres) and especially for the wash-proof oil and water repellent finishing of military uniforms, sport articles, etc.

On a 100 % cotton article that has been finished with:

- 15 g/l KAPPALINK SCL
- 50 g/l type of KAPPAPHOB (= fluorocarbon emulsion)

a spray (according to AATCC 22) of 80 (without KAPPALINK SCL: 0) and oil repellency (according to AATCC 118) of 3 (without KAPPALINK SCL: 0) can be achieved after 30 household washings (HL 30). 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 pick-up and fabric:

Padding process:

- 10 – 20 g/l KAPPALINK SCL
- 30 – 60 g/l KAPPAPHOB type (= fluorocarbon emulsion)
- 1 – 2 ml/l acetic acid 60 %
- Drying: 110 – 120 °C
- Fixing: 170 °C

Regarding the application of the additionally mentioned products, please note the corresponding technical data sheets.

Dilution instruction

KAPPALINK SCL can be emulsified with water at any ratio.

Storage

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

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 Aug 12, 2025, not subject to systematic change.

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