

KAPPATEX R 98

Highly effective reducing agent/Textile Finishing Agent

Chemical composition	derivative of sulphinic acid
Appearance	white, crystalline powder
pH-value 20 °C	approx. 4.5 (1 %)
Bulk weight (g/l)	approx. 750
Ionic charge	anionic

Function

KAPPATEX R 98 is a very stable, highly effective, odourless reducing agent. Compared to hydrosulphite, KAPPATEX R 98 develops its full reducing effect only at temperatures above 70 °C and in the presence of alkalis (this may be proved with vat paper).

Solutions of KAPPATEX R 98 free of alkali are almost stable for up to 6 hours at room temperature. Under optimum conditions, KAPPATEX R 98 is a strong reducing agent and at least 3 times more effective than hydrosulphite.

Application

Reductive final or intermediate cleaning of disperse dyeing or printings on polyester or polyester/ cotton

Cross winder:

- 0.5 – 1.0 g/l KAPPATEX R 98
- 2.0 – 4.0 ml/l NaOH 38 °Bé
- 1.0 – 2.0 ml/l wetting agent/detergent
- liquor ratio: 10:1 to 15:1
- treatment time: 20 – 30 minutes
- temperature: 70 – 95 °C

Dyed or printed fabric on continuous washing line:

- 2.0 – 3.0 g/l KAPPATEX R 98
- 5.0 – 7.0 ml/l NaOH 38 °Bé
- 0.3 – 0.5 ml/l wetting agent/detergent
- temperature: 80 – 95 °C
- reaction time: 15 – 80 seconds, depending on depth of shade

Stripping of defective dyeings

Due to the multitude of dyestuffs, there is no universal formulation (see recommendation of dyestuff producers). The amount of sodium dithionite is replaced by approx. 1/3 of KAPPATEX R 98. Preliminary tests are necessary.

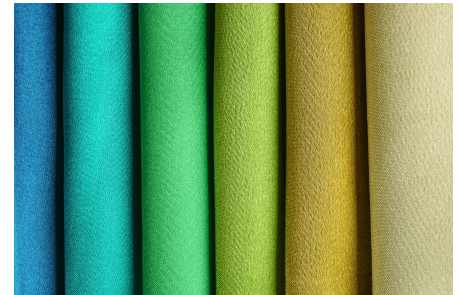
- 2.0 – 3.0 g/l KAPPATEX R 98
- 8.0 – 15.0 ml/l NaOH 38 °Bé
- liquor ratio: 10:1 to 15:1
- treatment time: 20 – 60 minutes
- temperature: boiling temperature

Bleaching of polyamide

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 Nov 29, 2023, not subject to systematic change.

Contact

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Standards (further on request)

- Bluesign
- OEKOTEX Standard 100
- ZDHC

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- 0.5 % (referring to fabric) KAPPATEX R 98
- treatment time: 30 minutes
- temperature: 90 °C

Cleaning of dyeing units

- 1.0 – 2.0 g/l KAPPATEX R 98
- 5.0 ml/l NaOH 38 °Bé
- 1.0 ml/l KAPPAQUEST K 83
- 1.0 ml/l wetting agent/detergent
- depending on soiling
- treatment time: 10 – 60 minutes
- temperature: boiling temperature

Further applications

KAPPATEX R 98 is an effective reducing agent for dyeing cotton or cotton blends with sulphur dyestuffs. Furthermore, KAPPATEX R 98 can be used instead of sodium dithionite when dyeing with vat dyes according to the pad-steam-process. However, this can cause hue errors, thus making it necessary to correct the dye formulations.

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

Dilution instruction

Approx. 25 g/l of KAPPATEX R 98 can be dissolved in water of 20 °C. In the strongly caustic alkaline range up to 100 g/l of KAPPATEX R 98 may be dissolved at 20 °C. However, these alkaline solutions are comparatively unstable. Stock solutions of KAPPATEX R 98 should be prepared with cold water. Caustic soda should only be added shortly before use.

Storage

KAPPATEX R 98 remains stable for at least 6 months if stored cool and dry in a tightly closed container.

Do not store above 25 °C and keep away from oxidants, metal salts and alkalis.