

# KAPPAZON K 55

## Peroxide stabilizer

Chemical composition	combination of phosphonates containing silicate
Appearance	orange, clear solution
pH-value 20 °C	approx. 12.0
Density 20 °C (g/ml)	approx. 1.3
Ionic charge	anionic

## Function

KAPPAZON K 55 was developed especially for pad-bleaching processes (e. g. cold pad-batch process, pad-roll processes, various continuous processes). The addition of sodium silicate is not necessary. As KAPPAZON K 55 contains silicate, the bleaching effects are as good as with sodium silicate.

The product also offers the same secure protection against catalytic damages as sodium silicate. Compared to sodium silicate, KAPPAZON K 55 does not cause any silicate incrustations on fabrics and bleaching equipment.

Although KAPPAZON K 55 neither contains calcium nor magnesium compounds, stable liquors can be produced in softened water. Also concentrated feeding liquors that contain KAPPAZON K 55 are comparatively stable. Liquors prepared with KAPPAZON K 55 are absolutely clear and foam-free.

## Application

KAPPAZON K 55 should be applied with soft or softened water, if possible. Under very extreme conditions, e. g. in presence of high amounts of caustic soda, it is recommended to harden the water with approx. 0.1 g/l bitter salt ( $\text{MgSO}_4 \times 7 \text{H}_2\text{O}$ ). The bitter salt must be added to the liquor first, i. e. before all other components. Best is to predissolve it.

### Recommended application level:

#### Cold pad-batch process

- 12 ml/l KAPPAZON K 55
- 25 ml/l NaOH 38 °Bé
- 50 ml/l H<sub>2</sub>O<sub>2</sub> 35 %
- 5 g/l sodium persulphate
- 5 ml/l KAPPAWET T 37 (wetting agent/detergent)

During rinsing, the addition of KAPPAFOS D 11 or KAPPAQUEST K 83 in the second compartment of the open-width scouring machine is recommended. An excellent degree of whiteness is achieved, even on grey fabric, using the above formulation.

#### Bleaching on various continuous units

KAPPAZON K 55 is effective on various units.

- 5 – 15 ml/l KAPPAZON K 55

Detailed formulation recommendation on request!

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

### **Dilution instruction**

KAPPAZON K 55 can be diluted with cold water at any ratio. The product can be added directly to the bleaching liquor.

### **Storage**

KAPPAZON K 55 remains stable for at least 6 months if stored properly and cool in a tightly closed original container.