

KAPPAVON 209

Levelling and antifrosting agent

Chemical composition	preparation of fatty alcohol ethoxylates and alkyl sulphonates
Appearance	clear, viscous, nearly colourless liquid
pH-value 20 °C	9 – 10 (product)
Density 20 °C (g/ml)	approx. 1.0
Ionic charge	nonionic/anionic

Function

KAPPAVON 209 is especially suitable for the continuous dyeing and printing of carpet materials, like e. g. polyamide carpets and carpet yarns, needle felts or tufted materials due to the following properties.

KAPPAVON 209 has a sufficient wetting property. If the fabrics are poorly wettable, we recommend to increase the wetting power by adding 1 – 2 g/l of the nonionic wetting agent KAPPAWET BOS.

The product develops a resistant foam in form of fine bubbles, preventing the formation of frost on the fabric to be dyed.

During the dyeing process, KAPPAVON 209 controls the velocity by reducing temporarily the pick-up of the dyestuffs onto the fibres. Thus a good dye penetration of the pile of tufted materials and an absolute evenness of the dyeing is possible. If the pH-value of the liquor is correctly adjusted by KAPPAVON 209, the pick-up of the dyestuffs is not reduced. KAPPAVON 209 contains biodegradable components.

KAPPAVON 209 is resistant to water hardness, acids, alkali, metal salts and other electrolytes.

Application

- 3 – 6 g/l KAPPAVON 209

are added to the liquors adjusted with the adequate thickening.

If fabrics are not pre-wetted before dyeing, the liquor application level should be 400 – 600 % of the product weight. Generally, a liquor application of approx. 300 % is sufficient for pre-wetted material.

For pre-wetting we also recommend the wetting agent KAPPAWET BOS. Apart from wetting properties the product also emulsifies and eliminates anti-foaming preparations from the basic fabric or nonwoven as well as from the contact surface.

Recommended application level:

- 1 – 2 g/l KAPPAWET BOS

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

Dilution instruction

KAPPAVON 209 is can be diluted with warm water at any ratio.

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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Storage

KAPPAVON 209 remains stable for at least 1 year if stored properly and cool in a tightly closed original container.