

KAPPFIL KW 90

Yarn wax

Chemical composition	aqueous preparation of polyglycolene and additives
Appearance	colourless liquid
pH-value 20 °C	approx. 8.2 (product)
Density 20 °C (g/ml)	approx. 1.0
Ionic charge	nonionic

Function

KAPPFIL KW 90 considerably reduces the frictional resistance of warp yarns in weaving.

KAPPFIL KW 90

- increases the stability of baggy, loose and hairy yarns by closing the surface.
- avoids the fibril breaks of synthetic endless yarns.
- can replace desizing of various yarns.
- is antistatic and dust binding.
- requires no particular drying process.
- does not cause smearing of heald.
- can be applied as additive to desizing bath.
- does not cause colour changes.
- can be applied for after-smoothing of desized warp yarns.
- can easily be washed out in cold or warm water.

Application

KAPPFIL KW 90 is suitable for all type of fibres. The product is applied by use of a waxing device at rewinding, warping, dewinding and assembling of warps or on the sizing machine.

Recommended application levels:

• Pure wool (carded yarn)	1 – 3 %
• Synthetic/Wool	1 – 3 %
• Synthetic (staple fiber)	1 – 2 %
• Cellulose Regenerated fiber	1 – 3 %
• Jute yarn	3 – 4 %
• Pure wool (worsted)	1 – 2 %
• Synthetic/cotton yarn	1 – 3 %
• Synthetic (continuous yarn)	0,5 – 1,5 %
• Linen and linen blends	5 – 10 %
• Post-smoothing of sized warp yarns	0,1 – 0,5 %

Rewinding

Warps, brought together on the sizing machine, are run through the cold machine without desizing. Thereby the warp wax device is in front of the crossing rods. The warp should contact the anilox roller of the warp wax device at a length of at least 1 - 2 cm.

The quantity has to be regulated in such a way, that there is no product debris at the rack and the deflecting roller.

It is important to adjust the rotating direction of the anilox roller of the warp wax device

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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in such a way, that it rotates in the same direction as the warp sliding above.

Warping

The warp wax device is fitted between warping creel and warping cylinder, the individual bands are running over the anilox roller. The quantity depends on the roller and band speed.

Dilution instruction

KAPPAFIL KW 90 is applied in the supplied concentration only.

Storage

KAPPAFIL KW 90 remains stable for at least 1 year if stored properly and dry in a tightly closed original container.

Do not expose to frost and protect against impact of heat!