KAPP-CHEMIE
TISSUE TEXTIL
SERVICES

KAPPAZYM NT 120

Highly concentrated, enzymatic desizing agent for low temperature range of 30 – 50 °C

Chemical composition	bacteria amylase
Appearance	yellow to brown liquid
pH-value 20 °C	approx. 6.5 (product)
Density 20 °C (g/ml)	approx. 1.2
Ionic charge	nonionic

Contact

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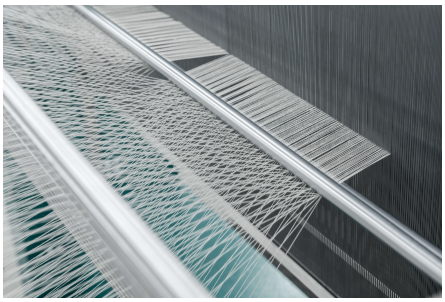

Function

The effect of KAPPAZYM NT 120 depends to a great extend on the following parameters:

Temperature: optimal activity 30 - 50 °C

pH-value: optimal activity and stability at pH 6 - 8, if possible 6.5 - 7.5

Stabilizers: salts causing hardness of water, 2 - 4 g/l sodium chloride

Wetting agent: nonionic wetting agents, with a cloud point above the desizing temperature, are suitable - most anionic products are not suitable

Heavy metal ions: are effective as enzyme toxicants and need to be sequestered

Application

Production of the desizing liquor:

Prepare water and heat up to 40 °C. In case of soft water, dissolve calcium salts and stir in. Dissolve sodium chloride and stir in. Dissolve wetting agent and stir in. Check pH-value and adjust with soda or acetic acid, if necessary. If the desizing liquor is stored for some hours, this should be done at room-temperature.

Recommended application levels

Winch

- 0.25 – 1.0 ml/l KAPPAZYM NT 120
- treatment time: 30 – 60 minutes
- temperature: 40 °C

Jig

- 1.0 – 2.0 ml/l KAPPAZYM NT 120
- treatment time: approx. 4 ends
- temperature: 40 °C

Pad roll

- 2.0 – 3.0 ml/l KAPPAZYM NT 120
- treatment time: 120 – 240 minutes or over night
- temperatur: 40 °C or cold over night

Rinse thoroughly after desizing to remove decomposition products.

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Dilution instruction

KAPPAZYM NT 120 can be diluted with cold water at any ratio. The product can also be added directly to the liquor.

Storage

KAPPAZYM NT 120 generally maintains its declared activity for at least 3 months if stored properly and at a temperature of 25 °C in a tightly closed original container. Longer storage above 30 °C, should be avoided.

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