



RICHARDS PHARMA-LAB LTD.

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"CON-TROL" FX 8001

PROCUCT KNOWHOW:

"CON-TROL" FX 8001 is a High-molar-mass, water soluble polymer for use in the production of paper .industries. The product works as fixing agent for AKD Size at neutral ph conditions of paper sizing process. It also improves first pass retention to some extent during paper making process at wide pH range of 4.0 – 7.5. It performs very well in slow drainage stock like recycled fiber, agro waste and wood free pulp. The product can also be used to reclaim suspended fibers from waste water.

TECHNICAL SPECIFICATIONS:

1. Physical Form : Pale Yellow aqueous liquid.
2. pH value : 7.0 ± 1.0
3. Ionic Nature : Cationic.
4. Sp. Gr at 25° C : 1.16 ± 0.03
5. Viscosity at 25° C : 3000 – 5000 cps.
6. Solubility : Miscible in cold water in any proposition.
7. Shelf Life : Minimum 6 months if stored in tight closed containers away from direct sun light.

APPLICATION:

"CON-TROL" FS 8001 is a cationic polymer, it binds fines, fillers and also binds organic substances to the paper fibers. It improves drainage on the wire considerably thus makes drying much faster and reduces steam consumption. While using in the treatment of white water it improves save all efficiency thus reduces load on effluent treatment plants. The product is to be used after dilution in concentration 0.1 to 0.5% with water directly in the mixing chest. For the best results it should be dodged with metering pump. The best dodging point varies from machine to machine thus can be determined only after taking trial on the machine. The idle dosages can be determined during plant trials.

AREAS OF APPLICATION:

- a) For fixing of AKD size in internal sizing process with AKD at neutral pH.
- b) The pulp stock used for paper and board making contains large proportions of fines, fillers and various other **additives. These substances are colloidaly dispersed in the pulp stock and causes drainage problem at the wet end** resulting limitation in running paper machine to its optimum speed. In case if the product is used it improves drainage rate of the pulp and optimum speed of the paper machine can be obtained or the steam consumption will be reduced by virtue of higher drainage.
- c) Board making: In board plant drainage of individual ply can be controlled thus it helps in controlling blister and crease problem in the manufacturing of multi layer board.
- d) In white effluent before it enters in save all or before it enters to the effluent treatment plant.

SHELF LIFE & STORAGE: "CON-TROL" FX 8001 has a shelf life of six months in tightly closed containers at 35° C. The product should be stored in cool dry place in tightly closed containers.

Reclaiming Fiber: The product is to added in white water in very low concentration. It is to added in the machine

VALUE OFFERED:

1. Fixing Agent for AKD Size
2. Improves Retention
3. Improves fiber orientation in cross-machine direction.
4. Improves Sheet formation.
5. Reduces flocculate consumption for fiber recovery.
6. Helps in reduction of linting problem in paper & board.
7. Improves effectiveness of anionic substance like internal sizing chemicals, pigments, dyes thus reduces their



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consumption.