

## **“CON-TROL” 5301**

### **PRODUCT UTILITY**

“CON-TROL” 5301, a user friendly product, helps to achieve and obtain ultimate wet strength and retention effect of the paper. It also acts as a adhesion control agent on the Yankee cylinder in the manufacture of tissue papers. The product helps in increasing the opacity.. At pH 4 – 8, the formulation is effective resulting to obtaining of optimum wet strength in a neutral or slightly alkaline medium. As the product ensures retention of fillers and coloured pigments, it is suitable for the production of soft /toilet tissue, security paper & laminate base paper.

### **PROPERTIES**

• pH Value	2.4-3.2
• Ionic Nature	Cationic
• Appearance	Yellowish liquid
• Viscosity	20-50 mPa.s
• Density	1.03-1.05 g/cm <sup>3</sup>
• Product	Unique proprietary formulation
• Shelf Life	6 months

### **APPLICATION**

“CON-TROL” 5301, its use and application is recommended for wet strength treatment of paper under neutral pH range - laminate base paper, tissue paper. The retention of fillers and colour pigments is increased. The product produces a coating on the Yankee cylinder ensuring good creeping of tissue paper. The application is flexible to be metered with an adequate metering pump via on-line dilution with water just prior to the head box of the paper machine (stock pump, selectifier). Whenever full wet strength is required to be delivered, the drying cylinder temperature is to be maintained at a temperature of 110 - 120°C with a curing time of 5-6 weeks

### **SHELF LIFE**

The product is assured for a life of 6 months preferably to be stored in a tightly closed container, in a dry area, kept at distance from heat. Exposure to the direct sunlight should be avoided.

### **VALUES OFFERED**

- Obtains optimum wet strength and retention effect
- Less susceptible to hydrolysis
- Effective retention agent for fillers & colour pigments
- Addition control agent on Yankee cylinder
- Laminates base paper with higher filler content.

**NOTE:** R&D mandates to improve the product for which any changes are at our discretion without prior intimation.