

## **“CON-TROL”<sup>©</sup> 1512**

### **PRODUCT UTILITY**

“CON-TROL”<sup>©</sup> 1512 improves various strength properties and printability of craft paper & board. The Product gets absorbed into the fibers because of its cationic charge. Elevated temperature makes the inter-fiber bonding less susceptible to hydrolysis. It also ensures retention of fillers and color pigments at any pH range leading to better opacity. It also improves retention of synthetic sizing agents based on alkyldiketone.

### **PROPERTIES**

- pH 2.4-3.2
- Ionicity Cationic
- Appearance Yellowish liquid
- Density 1.03-1.05 g/cm<sup>3</sup>
- Viscosity 20-50 mPa.s
- Solids 10% ±1%
- Shelf Life 6 months

### **APPLICATION**

CON-TROL 1512<sup>©</sup> can be added directly in the mixing chest @ 2 TO 5 KG per ton of pulp. For best results we recommend that the chemical should be injected with metering pump by diluting in the ratio of 1:5 just prior to the head box of the paper machine (stock pump, selectifier). Dilution ensures good distribution in the stock and thus maximizes performance. When it is used only for retention an addition rate of 0.1-0.3% at the head box is recommended.

### **SHELF LIFE**

The product is assured for a life of 6 months preferably for storage in the covered area to be kept at distance from heat. Exposure to the direct sunlight should be avoided.

### **VALUES OFFERED**

- Increases retention of fillers and color pigments
- Improvement in :
  - ✓ Opacity
  - ✓ Dry strength properties of papers & board
  - ✓ printability of Paper & Board
- Improvement in first pass retention

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