

## **TECHNICAL DATA SHEET**

### **BILTREAT PB 063**

(A Paper Strength Additive for Ply Bond)

#### **Description:**

- BILTREAT PB 063 is a unique paper strength additive with good formation based on natural ingredients with suitable synthetic polymer chemicals. No adverse effect on other properties of the paper.
- The recycled fiber which loses some of its strength properties with each cycle of slashing are revived by the usage of BILTREAT PB 063. It is a new age grafted bio polymer with natural ingredients for all types of strength properties enhancement with formation improvement in recycled all types of paper & board.

#### **Physical Properties:**

Appearance	Creamish yellow liquid
Ionic nature	Alkaline
Ph	10.0 – 12.0
Solubility	Soluble in water

#### **Advantages:**

- It improves fiber to fiber bonding. Better glaze and stiffness, improves breaking length, double fold, tear factor. Improves ring crush strength, improves formation of paper.
- Improves ply bonding and surface strength properties.

#### **Dosage:**

- 1 to 4 kg/ dry paper ton.

#### **Mechanism of Action:**

- BILTREAT PB 063 degrades fiber wall and secondary wall outer sphere and thus cell wall becomes slack, enhances fiber swelling, increases penetration, reduces cohesion in fiber and makes more joining points between fibers, reducing defibration time and improving sheet formation with remarkable all types of strength enhancement.

#### **Application:**

- Size press addition: Add required dosage of BILTREAT PB 063 at the time of cooking with any types of starches or after cooking, adjust required pH or sizing is for use. It can be added at wet end also.
- Spray Application: Can be sprayed along with any types of starch or alone in minimum possible water dilution.

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