

# *Crosfield Textiles Chemicals (I) Pvt. Ltd*

## **CELSIZE 2012 PLUS**

### **Starch Derivatives**

CELSIZE 2012 PLUS is a sort of high technology grafted starch. Addition of some polymers may partially or totally replace PVA in slashing. Adding the cohesion of other sizing material with cotton fibers, with medium viscosity to suit optimum efficiency.

<b>CHARACTERISTICS</b>	<b>BENEFITS</b>
Hit-technology grafted starch	Provide good cohesive with cotton fibres.
Improved film property	Reduces the mass of hairiness in splitting and protects the film of yarn complete
Versatile film Performance	Its film performs with higher strength, smooth abrasion and good elongation , is slightly similar to PVA It's film has higher abrasion resistance than Celsize 2012. It enhances weaving performance
Solubility	Completely dispersible in water and easily be desized
Physical condition	The physical condition in solid is optical for storage and transportation

### **PROPERTIES**

Physical Appearance:	White or pale yellow granule or powder
pH index	6-8
Volatile content:	≤ 14%
Viscosity:	L : 4-8 mPa.S M : 8-12 mPa.S (measured with NDJ-79, 6% 95°C) H : 12-16 mPa.S
Viscose stability:	≥ 85% (Cooking within 3 hrs., 6% 95°C)

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## **APPLICATION**

### **Cooking –**

**Normal cooker** – Slowly add Celsize in water under stirring. Stir for 15 mins. at room temperature. Start heating. Cook it for 30 mins at 90 – 95<sup>o</sup>C

**Pressure cooker** – Slowly add Celsize in water under stirring. Stir for 15 mins. Cook it for 10 – 15 mins. at 110<sup>o</sup>C

### **Desizing –**

#### **Pad batch enzymatic Desizing -**

0.3 - 1 ml/kg Biobact Conc.

3 - 5 ml/kg Crosprep WBEN

0 – 2 ml/kg Crosquest H

Liquor pick up : 100%

Impregnation temperature: 30 – 90<sup>o</sup>C

Batching time: 4 – 24 hr

Hot wash off

#### **Discontinuous Enzymatic Desizing -**

0.1- 0.8 ml/kg. Biobact Conc.

0.5 – 2.0 ml/kg Crosprep WBEN or Croscour HPJS

Liquor ratio: 4 : 1 – 20 : 1

30 –60 min at 60 – 90<sup>o</sup>C

Hot wash off.

## **PACKAGE AND STORAGE**

Net weight is 25 kilos per bag whose envelop is made of multilayer paper coated with polyethylene. Storage in a condition of low temperature and water proofed is preferred.

## **ATTENTION**

The information given above is in line with our present state of knowledge and experience and is without any guarantee. Users must thoroughly test any application before any commercialization. We are not liable for damages due to improper application of our products.