



## **TECHNICAL BULLETIN**

### **Textile Processing Compound**

Let You LEAD The Process

E-mail : [contact@nestorindustries.com](mailto:contact@nestorindustries.com)

## **NESTOZYME - 4000**

(Alpha Amylase based Desizing Enzyme)

**Nestozyme - 4000** is used for desizing of textiles which hydrolyses gelatinized starch present in size into soluble dextrans without damaging the textile fibre. The high stability and efficacy of **Nestozyme - 4000** is compatible with various desizing processes as given below.

### **FEATURES :**

- Ensures effective removal of size
- Effective removal of size ensures efficiency in dyeing, printing and finishing
- Consistent in quality and superior in performance. Any turbidity has no influence on the activity of the product.
- No effluent problems or environmental hazards
- Safe for fabrics
- These enzymes are relatively narrow temperature range (40 – 60°C) active and in narrow range they deliver highest efficiency.

<b>Nature / Enzyme class</b>	Alpha amylase
<b>Activity</b>	150 NAU
<b>Appearance</b>	Brown liquid (Colour intensity is not an indication of enzyme activity)
<b>Solubility</b>	Easily dissolved in water.

### **Applications :**

#### **Desizing by padding :**

<b>Nestozyme - 4000</b>	: 4 – 5 gm/lit
Nestogen DSR	: 3 – 4 gm/lit
pH	: 5.5 – 6

Padding at 60°C → Batching for 16 – 18 hrs → Washing (hot, hot, cold)

**The product appearance varies from batch to batch. The colour & viscosity may vary from batch to batch and its intensity is not an indication of product strength.**

NONWARRANTY: The suggestions and data in this bulletin are based on information we believe to be reliable. They are offered in good faith but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions on an experimental basis before adopting them on a commercial scale.

Head Office Address: Plot No – 538, GIDC, Pandesara, Surat – 394221  
Contact No. - +91 8306083020, +91 9377781836 || Website : [www.nestorindustries.com](http://www.nestorindustries.com)