

# ZYTERGE BASE T

Finishing

**Zydex**<sup>®</sup>  
Innovating for Sustainability

## DESCRIPTION

Zyterge base T is a retentive, non-ionic, high molecular weight, water-soluble polyester-polyethylene glycol resin.

## PRODUCT ATTRIBUTES

- The polyethylene glycol chain of Zyterge base T allows it to maintain hydrophilicity while the polyester group anchors to the surface of the polyester fabric. This allows wicking properties (hydrophilic finish) & release of static charge with good retentivity (15-20 washes)
- It acts as a soil release agent for 100% polyester & its blend with good retentivity (15- 20 washes)
- The product when used as pre exhaust at 70-80 °C on hydrophobic substrates like polyester / acrylic helps as dye leveller & marks hydrophobic impurities or defects.
- It when used as pre-exhaust on polyester prevents re-deposition of oligomers.

## TECHNICAL DATA

| FORM          |            |
|---------------|------------|
| Colour        | Yellow     |
| Physical Form | Waxy Solid |
| Solid content | 98 ± 2%    |
| Nature        | Non-ionic  |

## SOLUTION MAKING PROCEDURE

### Preparation of 30% solution

Zyterge base T is a solid product. Preparation of 30% solution is as follows:

- Zyterge base T(100%) : 30 Part & Water: 70 Part
- Take Zyterge base T(100%) in a vessel and heat it up to 70-80°C using either by electric heater or gas burner or oil bath or water bath.
- In other vessel take water and keep it in stirring condition.
- Add the melted product slowly to the water under stirring condition.
- Keep it under stirring for 15- 20 min, till the solution becomes homogeneous.
- Cool it down to room temperature & 30% solution is ready.

## TRADITIONAL TEXTILE APPLICATIONS

### FINISHING

Exhaust / pad finish on 100% polyester fabric and blended fabric with ZYTERGE BASE T at dosage level 15-30gpl gives reasonably good feel, hydrophilicity, soil release and moderately antistatic properties. ZYTERGE BASE T is reasonably durable for 15 - 20 home launderings. The product can be used with other finishing agent for improving the comfort value of polyester fabrics. Drying cum curing may be done at above 160-180°C for better adsorption of the product.

#### Notes:

ZYTERGE BASE T should be diluted in water before adding to any bath. Compatibility of chemical bath needs to be checked.

## PACKING SIZE

- 35 KG net narrow mouth HMHDPE Polycan
- 220 KG net narrow mouth HMHDPE Drums

#### COMPLEMENTARY PRODUCTS

- **LUXSIL**: Cationic softener
- **LUSHFEEL**: Cationic Softener
- **VELVETROL, VELVETROL+, VELVETROL SUPER**: Silicone softener
- **ZYCROBIAL**: Retentive Antimicrobial, Anti Odour finish

## STORAGE & SHELF LIFE

- Keep the drums of ZYTERGE BASE T in a cool shade.
- Do not store in direct sun or at a temperature higher than 40 °C.
- Minimum shelf life is 12 months.

#### DISCLAIMER:

The information & data contained herein are given in good faith but without warranty. We recommend that before using our products, the customer should make his/her own tests to determine the suitability of the products for his/her own purpose under his/her operating conditions. As the circumstances under which our products are stored, handled and used are beyond our control, we cannot assume any responsibility for their use by the customers.