

### DESCRIPTION

ZYTERGE BASE is a specially engineered high molecular weight, non-ionic, water soluble \ polyester polyethylene glycol resin.

### PRODUCT ATTRIBUTES

- The polyester block in ZYTERGE BASE enables anchoring on the polyester substrate to be finished at 140-180° C.
- The polyethylene glycol chain of ZYTERGE BASE allows maintaining of the treated polyester substrate under hydrated condition. This results in improved wicking properties (Hydrophilic finish).
- Better hydrophilicity of the treated polyester substrate with ZYTERGE BASE enables reduced static charge (hydrated condition enables instant dissipation of Static charge) with good retentive effect (10 home laundry washes).
- ZYTERGE BASE works as an effective Soil release agent for 100% polyester & its blends with good retentive effect (10 home laundry washes). The polyethylene glycol chain effectively pushes the oily stain as and when it comes in contact with water.

### TECHNICAL DATA

FORM	
Colour	Off White
Physical Form	Waxy Solid at 35° C
Solid content	98 ± 2%
Nature	Non-ionic

### SOLUTION MAKING PROCEDURE

#### Preparation of 30% solution

The product ZYTERGE BASE is also available in 30% ready to use form. ZYTERGE BASE is a waxy solid product under ambient conditions (35 °C). For making 30% solid product, take ZYTERGE BASE 30 parts and water 70 parts. Following procedure may be followed:

- Take ZYTERGE BASE in a vessel and heat it up to 80 °C using either by electric heater /gas burner /oil bath /water bath. One may use electrical heating belts around the MS barrels of ZYTERGE BASE up to 50 °C to 60 °C and then decant the product. In the case of HMHDPE barrels the same may be immersed in hot water before decanting.
- In other vessel take water (less than 250 ppm hardness water), keep it under stirring.
- To the above water under stirring, add melted ZYTERGE BASE slowly.
- Keep it under stirring till solution becomes homogenous.
- Cool it down to Room Temperature.
- 30% solution is ready.

Similar, procedure can be followed for making 10/ 20% solid solution. In case required you may use a thickener for thickening the product after making solution. The product can be formulated with other nonionic finishing aids and softeners.

## APPLICATIONS

### FINISHING

Exhaust / pad finish on 100% polyester fabric and blended fabric with ZYTERGE BASE 30% at dosage level 15-30gpl gives reasonably good feel, hydrophilicity, soil release and moderately antistatic properties. ZYTERGE BASE is reasonably durable for 5-10 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 30% should be diluted in water before adding to any bath. Compatibility of chemical bath needs to be checked.

## PACKING SIZE

#### For 100% product

- 40/25 KG net Paper Fiber Drum
- 200 KG net open mouth Epoxy Coated Drum
- 200 KG net narrow mouth HMHDPE Drum

#### For 30% product

- 35 KG net narrow mouth HMHDPE Drum
- 220 KG net narrow mouth HMHDPE Drum

## STORAGE & SHELF LIFE

- Keep the drums of ZYTERGE BASE 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.

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