

**[Desizing & scouring agent  
for Improved dyeability and fullness]**

**Product attributes:**

- ZYCOWET is a polymeric, mildly anionic product useful for effective wetting and suspension during desizing and scouring of cotton, polyester, polyester blends woven and knitted fabric. The product is also suitable for scouring and bleaching of yarn in hank and cheese form. The product effectively removes size particles, natural wax, dust, black end impurities and oil during desizing and scouring process.
- Due to low cloud point and lower molecular weight, non-ionic wetting agents based on ethylene oxide condensates have limitation in effective suspension of released size / soil during desizing and scouring process. ZYCOWET being high molecular weight does not precipitate out even at elevated temperature.
- ZYCOWET's unique high molecular weight and block structure has an excellent ability to remove waxes, starches, and foreign particles from the fiber surface. Unlike normal ethoxylates based wetting agents, which are not effective in complete cleaning of the fiber surface ZYCOWET 30 ensures micro cleaning resulting into even dyeability and improved feel of the final finished fabric.
- Due to the large micellar size and high molecular weight of ZYCOWET, excellent suspension is achieved even at low material to liquor ratio.
- Due to its excellent suspension and anti-redeposition properties, ZYCOWET improves the whiteness of the scoured fabric. When used during bleaching, ZYCOWET also improves the bleach whiteness.

## Specifications:

Physical Form	: Translucent Liquid
Solid content	: 30 ± 2%
Nature	: A mixture of nonionic and mild anionic components ( <b>Free from APEO</b> )

## Application guidelines:

### Traditional textile applications:

Substrate	Process	Zycowet Dosage
Hank yarn	Scouring/ bleaching	0.5–1.0% on the weight of yarn.
Cheese yarn	Scouring/ bleaching	0.7-1.2% on the weight of yarn.
Cotton/PC /PV and spun polyester fabric	Desizing	0.5–1.0% on the weight of the fabric.
	Scouring	1.0% on the weight of fabric. For heavy gsm fabric use 0.2 to 0.4% more dosage.
Cotton knits	Scouring/ bleaching	0.5–1.0% on the weight of fabric. To remove heavy deposition of oil or for high gsm fabric, use 0.2 % more dosage.
100% unsized polyester	Scouring	0.5–1.0% on the weight of fabric.

## Guideline recipes:

**Enzymatic desizing** : X gpl Amylase  
0.2 – 0.4% Zycowet  
0.1 – 0.3% common salt  
Temp- 70°C  
Time – approx 4-6 Hr.

**Scouring (Knits)** : 0.5 – 1.0% Zycowet  
2.5 – 3% NaOH  
Temp- 90°C

**Scouring of Textiles Contaminated with oils** : 1.0% Zycowet  
2.5 - 3% NaOH  
1% soda ash  
Temp- 90°C  
Time – approx 1 Hr.

**Bleaching** : 20-50 ml/l H<sub>2</sub>O<sub>2</sub>35%  
3 - 4% NaOH 100%  
1.0% Zycowet

### Technical textile applications:

Hydrophilic finish	100% polypropylene spun bonded non woven	ZYCOWET in dosage of 10–30 gpl or 1-3% by padding / spraying improves hydrophilicity of polypropylene spun bonded non-woven.
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### Storage:

- Keep carboys of ZYCOWET in a cool shade. Do not store in direct sunlight or at a temperature higher than 40°C.

### 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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