



**Zycol TSA Liquid**

ONE SOLUTION!  
INFINITE POSSIBILITIES.



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## Role Of Polymers In Textile Processing

- Polymer made from different monomers
- Unique structure and can be tailormade
- Achieves remarkable blend of properties
- Offers versatility in applications
- Effectiveness
- Useful tool for many industrial applications

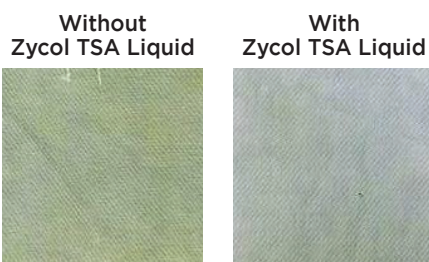
### PRETREATMENT

#### Effective Booster For Desizing And Scouring Process

##### Desizing

Dosage : 1/5<sup>th</sup> of enzyme used

##### Results:



Tegewa  
Scale rating

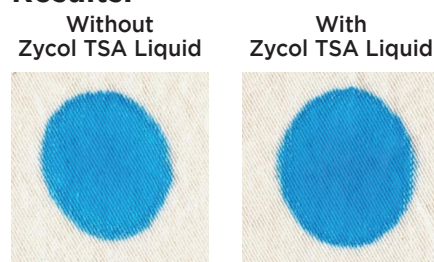
3 - 4

5 - 6  
Efficient desizing results

##### Scouring

Dosage : 1/5<sup>th</sup> of scouring agent used

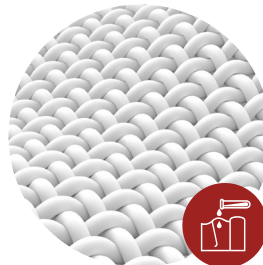
##### Results:



Better  
scouring results

## Product Insights

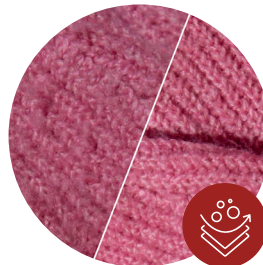
### Pretreatment



### Dyeing



### Biopolishing



### Dyeing Aid

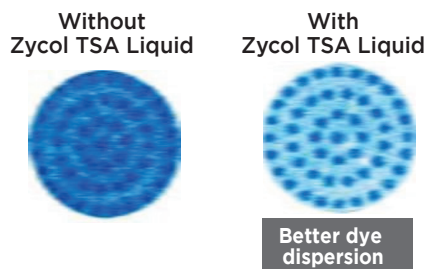


## DYEING

### Unlocking The Dye's Potential

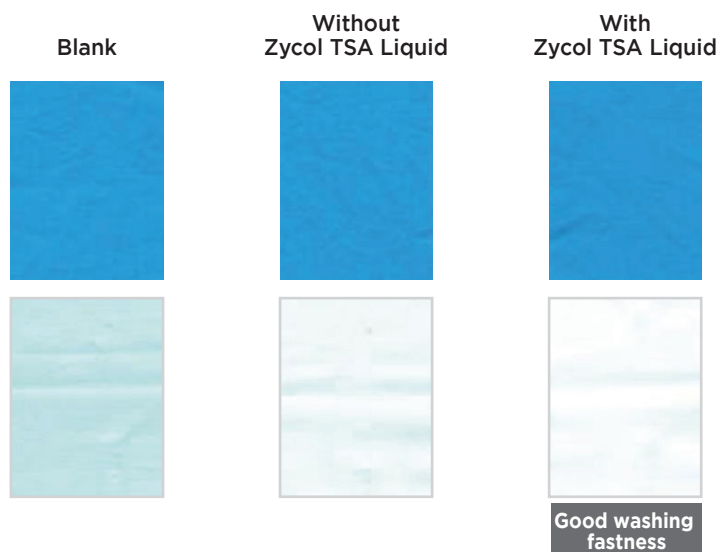
#### Dye dispersion

0.5 g/l Disperse Blue SR  
1 g/l Zycol TSA Liquid  
Raise temperature of bath to 70°C.  
Keep for 1 min and filter through Buckner funnel using Whatman filter paper No.42



#### Washing off process

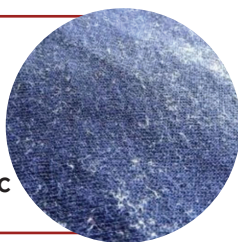
Dosage : 1/5<sup>th</sup> of washing off agent



## BIOPOLISHING

### Lint Management

- In biopolishing protruding fibres are removed using enzymatic product
- Redeeposited of these tiny fibres
- Affects aesthetic look of treated fabric



- Good dispersant property
- Act as a antifloc in biopolishing
- Keeps particles in dispersed conditions
- Enhances appearance of substrate

## DYE BATH CONDITIONER

- Has a very high threshold for Calcium and Iron
- Can remove metal ions from water effectively
- At pH Chelation Value for Calcium is 520 and for Iron is 20.
- Prevent reaction between dye particles and metal ion and kept metal ions in dispersed conditions
- Improves dye solubility





# Zycol TSA Liquid

## ONE SOLUTION! INFINITE POSSIBILITIES.

- Use Zycol TSA 1/5<sup>th</sup> of Scouring agent to boost the scouring efficiency
- In order to get better fastness ratings, add Zycol TSA 1/5<sup>th</sup> of washing off agent. Zycol PRSK and Zycol TSA works out to be better combination for washing off
- In package dyeing to eliminate filtration problem of dye, recommended to use Zycol TSA during dye preparation stage which will help in creating much uniform dispersion and better solubilization of the dye
- Excess water hardness, water impurities, soil particles, cotton impurities etc will be kept in dispersion by the use of Zycol TSA Liquid



Improves Soil Suspension Of Both  
Oily And Particulate Soils

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Excellent  
Dyebath Conditioner

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Excellent  
Dispersing Action

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Very High Threshold  
For Ca, Fe Ions

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Improves Washing Off  
Properties Of Reactives  
Use 1/5<sup>th</sup> Dosage Along With  
Washing Off Agent

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Flock dispersant,  
safely used along with  
enzyme in biopolishing

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