



## PRODUCT LITERATURE

### ERGOFIX-ALS

#### Product Information

Ergofix-ALS is an all in one dye fixing agent for cellulosic dyed with Reactive, Direct, Indigo and Sulphur dyestuffs. It shows very good improvement in colour fastness to washing. For Indigo denims, can be applied after desizing and before or after stone washing or enzyme treatment. Ergofix-ALS can be applied by exhaust as well as pad application.

#### Key Features & Benefits

| Key Features          | Benefits  |
|-----------------------|---|
| Formaldehyde free     | Suitable for Oekotex and baby wear                                |
| Versatile             | Suitable for all anionic dyes                                     |
| Improve wash fastness | Works very well on Reactive, Indigo and Sulphur dyed Denim fabric |

#### General Characteristics

Physical appearance: Yellow transparent viscous liquid  
Ionic nature : Cationic  
pH of 1% solution : 4.5 +/- 1  
Miscibility : Miscible with water  
Compatibility : Compatible with cationic and non-ionic products  
Stability : Stable to dilute acids and dilute alkalies

#### Application

##### **Exhaust Process (For Reactive dyed fabrics)**

After thorough soaping of reactive dyed fabrics, treat in a fresh bath with below recipe:

| Exhaust Process         | Continuous Process     |
|-------------------------|------------------------|
| Dosage : 0.5-1.5%       | Dosage : 5-15 gpl      |
| Bath pH : 5.0-5.5       | Pick-up : 65-70%       |
| Bath Temp : 30-40 deg.C | Bath pH : 5.0-5.5      |
| Time. : 15-30 min.      | Drying : 130-170 deg.C |



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#### Application (For Indigo & Sulphur dyed fabrics)

##### Exhaust Process

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Dosage : 2-3%  
Bath pH : 5.0-5.5  
Bath Temp : 30-40 deg.C  
Time. : 15-20 min.

##### Padding Process

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Dosage : 20-30 gpl  
Pick-up : 65-70%  
Bath pH : 5.0-5.5  
Drying : 110-130 deg.C

##### Spray application:

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Dosage : 20-30 gpl  
Bath pH : 5.0-5.5  
Spraying → Drying at 110-130 deg.C

#### Exhaust Process (For Direct dyed fabrics)

After thorough soaping of Direct dyed fabrics, treat in a fresh bath with below recipe:

##### Exhaust Process

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Dosage : 1.5-3%  
Bath pH : 3.5-4.5  
Bath Temp : 30-40 deg.C  
Time. : 15-30 min.

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Dosage : 15-30 gpl  
Pick-up : 65-70%  
Bath pH : 3.5-4.5  
Drying : 130-170 deg.C

### Precautions

#### Storage

Store in cool, ventilated shed away from heat and direct sunlight. Storage temperature should not exceed 35 deg c. Close lids firmly to avoid contact with air and moisture.

#### Shelf Life

9 months from the date of manufacturing, if stored under controlled conditions.