



## PRODUCT LITERATURE

### KATAFIX-BC

#### Product Information

Katafix-BC is an all in one dye fixing agent for cellulosic's 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. Katafix-BC can be applied by exhaust as well as pad application. It can also be used as a cationising agent to increase the exhaustion of reactive dyes on cellulosic fabrics.

#### 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: Colourless Clear Viscous Liquid  
Ionic nature : Cationic  
pH of 1% solution : 7 +/- 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

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

##### Padding Process

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

##### Spray application:

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

|                         |                        |
|-------------------------|------------------------|
| Dosage : 1.5-3%         | Dosage : 15-30 gpl     |
| Bath pH : 3.5-4.5       | Pick-up : 65-70%       |
| Bath Temp : 30-40 deg.C | Bath pH : 3.5-4.5      |
| Time. : 15-30 min.      | Drying : 130-170 deg.C |

#### Application process as a cationising agent

1. Treat substrate with below mentioned dosages of Katafix-BC at 50 deg.C for 20 mins.

|             |                        |
|-------------|------------------------|
| Shade depth | Katafix-BC to be taken |
| 4%          | 1-1.5%                 |
| 4-6%        | 1.5-2.0%               |
| 6-9%        | 2-2.5%                 |

Drain the bath

2. In fresh bath dose dyestuff slowly at room temp. continue for 20 mins. Then add 10 g/l soda ash and raise temp to 60°C and run for 15 mins. and drain.
3. Give one cold wash and neutralize with acetic acid and dry the garment.



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#### Instructions for Dilutions :

Procedure to prepare 22% Katafix-BC

1. Take 50 parts of Katafix-BC
2. To this, gradually add 50 parts of DM water at 25-30°C under stirring
3. Continue stirring at 250-300 rpm for 15-20 min. using turbo stirrer to obtain homogenous solution

#### 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.