

ITOFIX LJN is a highly effective after fixing agent for the improvement of the wet fastness of polyamide dyeing's and prints with acid, metal complex and reactive dyes.

ITOFIX LJN can also be used as highly concentrated product for reserving effects to achieve tone-in-tone dyeing of polyamide/wool and polyamide/cellulosic, for white fond resisting effects during after scouring of printings and for colour resist effects of polyamide resisting printing.

## PROPERTIES

- **Appearance** : Yellow Orange clear liquid
- **Ionic Nature** : Anionic
- **Shelf life** : 12 months under normal conditions
- **Solubility** : Can be diluted with cold water at any ratio.
- **Storage/Transport** : Between 3 and 30°C  
May freeze below 0°C or separate above 40°C.  
Returning to normal temperature will reverse these effects

## DISCLAIMER

The information herein offered is based on the best of our knowledge at present. However, we are not able to guarantee these matters, as the result of application may vary according to conditions adopted. Preliminary tests are, therefore, recommended in all cases. Please refer to MSDS regarding handling of the products.

## CHARACTERISTICS

1. Excellent improvement of wet fastness
2. Particularly effective at improving water, perspiration and washing fastness up to 60°C
3. Highly concentrated resisting agent. Can be applied in dye bath only if non-ionic, pseudo cationic and amphoteric levelling agents are absent from the dye bath. Intermediate rinsing is recommended to remove these kinds of levelling agents.
4. Avoid the use of non-ionic or cationic softeners in the after fixing bath
5. Can be used with pure anionic levelling and dispersing agents
6. Stock solutions have only a limited shelf life (change of colour may occur after 1 day). Preparation of fresh stock solutions is recommended
7. Highly stable to acid conditions
8. Gives strong acid pH and may negate the need for use of a separate acid
9. Has negligible influence on shade, light fastness, handle or hydrophilicity
10. Resistant to hard water and dry cleaning
11. Low viscosity, suitable for automatic dosing

**MAGNACOLOURS**<sup>®</sup>  
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## APPLICATION

### In Padding:

- **ITOFIX LJN** : 5 - 20g/l
- **Dry** : 110°C x 1 minute

### In exhaust:

- **ITOFIX LJN** : 0.5 - 2.0%
- **pH** : 4.0 - 4.5
- **Temperature** : 60 - 70°C
- **Time** : 20 minutes
- **Dry** : 110°C x 1 minute

### Resisting agent

- **ITOFIX LJN** : 0.3 - 1.5% in dyebath

### Resisting agent (After scour of prints)

- **ITOFIX LJN** : 2 -5g/l\*
- **pH** : 4.0 - 4.5

A padding process prior to scouring permits significant reduction of the use of ITOFIX LJN in the after scouring baths

### Colour resist for Prints

- **TOFIX LJN** : 5 - 20g/l / kg of printing paste

### ITOFIX LJN can be stripped using the following procedure

- **Soda Ash** : 2g/l
- **Temperature** : 60°C x 20 minutes
- **Warm Rinse**
- **Cold Rinse**

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