



A Khatau Enterprise

INDOFIX™ NFDF Premium

**Non-formaldehyde fixing agent for improving wash fastness
properties of reactive /direct dyed cellulosic fabrics**



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INTRODUCTION

Cellulosic fibers can be easily and distinctly dyed with anionic dyes by direct dyeing processes. However generally speaking, textile materials dyed with anionic dyes by direct dyeing demonstrate very poor wash fastness and wet fastness, and are therefore generally unsuitable for high grade fabrics. In order to improve the fastness (i.e., both laundry and wet-fastness) of dyed materials, an after-treatment chemical called a "dye fixing agent" is typically applied to the dyed material. Indofix™ NFDF Premium improves all round fastness properties of the fabrics or yarn. Thus, it reduces production cost and production time for excess washing and helps to get desired depth of shades with batch-to-batch reproducibility.

FEATURES

- Improves the wash fastness property and quality for dyed or printed products.
- Has minimal effect on light fastness and on shades
- Does not influence the handling properties and is low foaming.
- Improves the perspiration fastness
- Can be applied by exhaustion or padding techniques.
- Improves the leveling properties of dyeing at high temperatures

PROPERTIES

Appearance	Clear Colourless to pale yellow liquid
pH	Approx. 6.0
Ionic character	Cationic
Compatibility with	
Cationics	Good
Anionics	Poor
Non-ionics	Good
Stability to hard water	Good
Stability to temperature	Good



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APPLICATION

Indofix™ NFDF Premium is applied in the last rinse bath at 30°C - 40°C, pH 5.0 for a period of 15 - 20 mins. All traces of anionic chemicals should be removed before treatment.

In exhaust process:

- For pale shades : 0.2- 0.5 g/l **Indofix™ NFDF Premium**
- For medium shades : 0.3 – 0.6 g/l **Indofix™ NFDF Premium**
- For deep shades : 0.4 – 0.7 g/l **Indofix™ NFDF Premium**

In padding process:

- For pale to medium shades: 2 – 3 g/l **Indofix™ NFDF Premium**
- For medium to heavy shades: 5-10 g/l **Indofix™ NFDF Premium** (at 70% pick up)

This product can be continuously applied by padding at 30°C to 40°C at pH 5.0 (adjusting with acetic acid). After padding, the goods are dried at high temperature.



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STORAGE AND HANDLING

Precautions for safe handling	Do not eat, drink or smoke while handling the product.
Conditions for safe storage	Store in a cool, dry & ventilated area away from the sources of heat.
Shelf Life	6 months.

Note: Kindly refer SDS for further information on Safety precautions, Storage & Handling.

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The information and recommendations presented here were based on our general experience and correspond to the state of our knowledge. They are intended to service as non-binding guidelines and must be adapted to the prevailing conditions. We cannot accept liability for any injury, loss or damage resulting from reliance upon such information.

