



Nimir Specialty Chemicals FZE

INO-FIX NF

Formaldehyde free after treatment agent for improving the wet fastness of dyeing and prints produced with direct and reactive dyes.

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|----------------|---|
| Nature: | Polymer base. |
| Ionicity: | Cationic. |
| Physical Form: | Free flowing pumpable liquid. |
| pH: | Approx. 5.5 - 6.5 |
| Storage: | Shelf life up to 12 months subject to storage in sealed containers away from direct sunlight. |
| Compatibility: | Compatible with cationic and nonionic products. |

Properties:

- INO-FIX NF improves the wet fastness properties of reactive and direct dyeing and prints such as fastness to perspiration, water, mercerization and wet ironing.
- Prevents the migration of reactive dye hydrolysate on moist goods that have to be stored before or during dyeing.
- Equally effective by pad and exhaust application.
- Minimal effect on original dye shade and light fastness.
- Neither effect the fabric handle nor the rub fastness provided the shades are well soaped and rinsed.
- Improves the storage stability of reactive dyes.

Applications:

INO-FIX NF is applied after the shades are well soaped and rinsed.

A) BATCH WISE APPLICATION:

Liquor ratio: 5:1 - 20:1

For viscose the dosage should be increased by 10%

| SHADE | REACTIVE DYES | DIRECT DYES |
|--------|---------------|---------------|
| Palé | 0.25 - 0.5 % | 0.5 - 0.75 % |
| Medium | 0.5 - 1.0 % | 0.75 - 1.25 % |
| Dark | 1.0 - 2.0 % | 1.25 - 2.5 % |
| pH | 4.5 - 5.5 | 5.5 - 6.0 |

Add the required amount of INO-FIX NF to the fresh bath

Set the pH

Heat up to 40°C in 15 minutes.

Continue the treatment for 20 minutes at 40°C

B) WASHING RANGE:

The application can be also done in the last compartment of Washing range at 40°C

| SHADE | REACTIVE DYES | DIRECT DYES |
|--------|---------------|-------------|
| Pde | 8 - 10 g/l | 10 - 12 g/l |
| Medium | 10 - 15 g/l | 12 - 20 g/l |
| Dark | 15 - 30 g/l | 20 - 35 g/l |
| pH | 4.5 - 5.5 | 5 - 6 |

C) CONTINUOUS APPLICATION:

Reactive Dyes:

| SHADE | REACTIVE DYES |
|--------|---------------|
| Pde | 5 - 10 g/l |
| Medium | 10 - 15 g/l |
| Dark | 15 - 20 g/l |

pH: 4.5 - 5.5
Liquor Pickup: 80 - 100 %
Dry: 100 - 120°C

Safety:

Due attention should be given to the precautions for handling chemicals provided in our Material Safety Data Sheet.

Remarks:

The information submitted in this publication is given in good faith but without warranty. In view of the many factors that may affect the application, users are recommended to carry out their own trials to determine the suitability of the product for their practical requirements. We cannot accept responsibility for any damage or loss resulting from the use of this information.