

# ASUFIX EP-F NUEVO

## TECHNICAL DATA SHEET

### DESCRIPTION

Formaldehyde free fixing agent for direct and reactive dyestuffs.

### STANDARDS

- bluesign® approved.
- GOTS v6.0
- Screen Chemistry by Scivera
- ZDHC Gateway Level 3
- According to GREEN TO WEAR 2.0 SUPPORTING DOCUMENTS by INDITEX Group this product does not need chemical testing because it meets the requirements of Option 2 – ZDHC Gateway Chemical Module.

### SCOPE OF APPLICATION

- In all fabrics where the use of formaldehyde is not allowed by different legislations.

### PROPERTIES

- It increases washing, perspiration and water fastness of direct and reactive dyeings.
- It hardly affects light fastness, which is an advantage compared to the containing formaldehyde fixing agents.
- It may be applied either by exhaustion or continuous processes.
- The use of ASUFIX EP-F NUEVO as final treatment after reactive dyeing of deep or difficult shades allows the reduction of the washing time and saves water and energy, also providing a remarkable general fastness improvement, especially in perspiration and wet ironing fastness.
- It's specially recommended for final treatment (either in continuous or by exhaustion) in reactive printing, minimizing possible yellowing of white backgrounds.

### CHARACTERISTICS

<b>Appearance</b>	Transparent liquid
<b>Colour</b>	Colorless – Yellowish
<b>Composition</b>	Quaternary ammonium polymer
<b>Ionic Character</b>	Cationic
<b>pH at 10%</b>	4,5 ± 1
<b>Solubility</b>	Soluble in cold water at any ratio
<b>Electrolyte stability</b>	Good

The indications given herein correspond to practical experiences. Owing to the differences in local conditions they cannot claim to be complete, so that any liabilities –also with a view to claims of third parties – are excluded.

## APPLICATION

---

### *Direct dyestuffs:*

1 – 5 % ASUFIX EP-F NUEVO  
15 – 30 minutes at 40°C, pH 6 – 7.

### *Reactive dyestuffs:*

1 – 3 % ASUFIX EP-F NUEVO  
15 minutes at 40°C.

### *Pad - dry:*

15 – 30 cc/L ASUFIX EP-F NUEVO  
Approx. 1% on textile

### *Simultaneous fixing and softening:*

It is possible to choose between two options, both offering time savings:

- If touch is the priority, then add the softeners to the bath first and after 10 minutes add ASUFIX EP-F NUEVO before raising bath temperature.
- In the case that dyeing fixation is to be optimized, add ASUFIX EP-F NUEVO first and softeners 10 minutes later, either in cold or at 60°C.

### *Stripping:* LR 10:1

1–4 g/L ASUTOL 644 Powder  
pH 9 – 10 (NaOH)  
50–100 g/L Na<sub>2</sub>SO<sub>4</sub> anhydrous (to increase the stripping efficiency)  
30 minutes at 98°C.



ASUFIX EP-F NUEVO meets the bluesign® criteria

- Complies with the strict ecological and toxicological requirements of the bluesign® criteria
- Properly applied it allows a production with a minimum impact on people and the environment
- Basis for bluesign® approved textiles and accessories

For more information visit [www.bluesign.com](http://www.bluesign.com)

The indications given herein correspond to practical experiences. Owing to the differences in local conditions they cannot claim to be complete, so that any liabilities –also with a view to claims of third parties – are excluded.