

# ASUFIX MF ECO

## TECHNICAL INFORMATION

### DESCRIPTION

Special fixing agent indicated to improve rubbing fastness in all kind of dyed or printed cotton fabrics. It is specially indicated for dark shades (reactive dyestuffs, pigments, etc).

### STANDARDS

- bluesign® approved
- ZDHC Gateway Level 3
- GOTS v6.0
- Screen Chemistry by Scivera
- 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 APPLICATION

- ASUFIX MF ECO improves by 1 to 2 points the wet rubbing fastness values.
- ASUFIX MF ECO can be applied with other finishing products. Previous tests are recommended.
- For garment finishing, the application is recommended after stone washing treatments or biopolishing.

### PROPERTIES

- It is recommended to work at pH 4 – 4,5 adjusting with acetic acid. At pH higher values the product loss stability.

### CHARACTERISTICS

<b>Appearance</b>	Liquid
<b>Colour</b>	Yellow-brown
<b>pH at 10%</b>	5 ± 1
<b>Ionic character</b>	Cationic
<b>Dilution</b>	In water at any ratio. The product should be diluted with gentle stirring. Avoid high speeds stirring to dissolve
<b>Compatibility</b>	Cationic: Good Non ionic: 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

### Padding process:

20-30 g/l ASUFIX MF ECO  
 Pick up 65-70%  
 pH: 4-4,5 (adjust with acetic acid)  
 Dry at 150°C 1-2 minutes. It is not recommended temperatures above 150°C.

### Exhaustion:

2-3 % ASUFIX MF ECO  
 pH: 4-3,5 (adjust with acetic acid)  
 Liquor ratio from 5:1 to 10:1  
 Maintain 30 minutes at 40°C

For garments, tumbler drying at 80-90°C it is enough for many productions. However, curing at 140-150°C could help to optimize product performance.

### RUBBING FASTNESS (ISO 105-X-12)

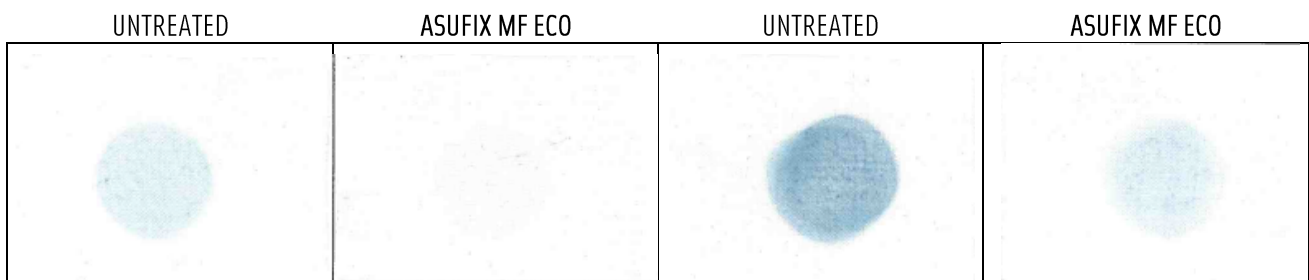
30 g/l ASUFIX MF ECO  
 pH 4  
 PAD. DRY AT 120°C. THERMOFIXED 1 MIN. AT 150°C.

DENIM FABRIC



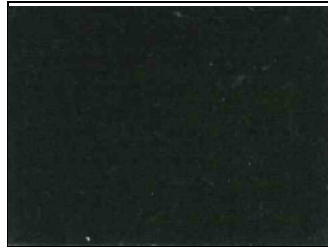
DRY RUBBING FASTNESS

WET RUBBING FASTNESS



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SULPHUR FABRIC



DRY RUBBING FASTNESS

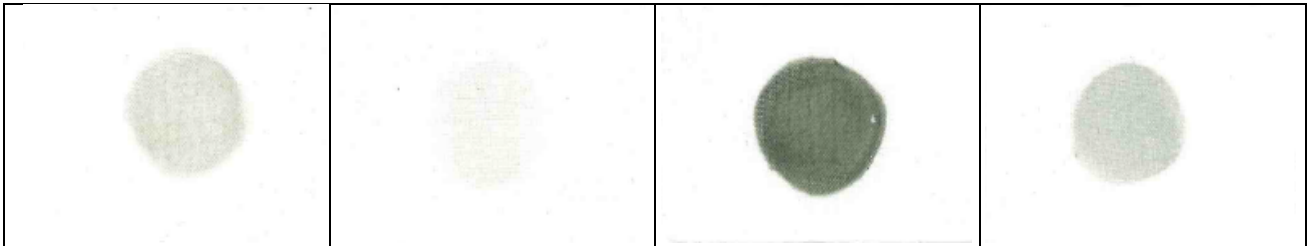
WET RUBBING FASTNESS

UNTREATED

ASUFIX MF ECO

UNTREATED

ASUFIX MF ECO



REACTIVE RUBBING FASTNESS (ISO 105-X-12)

30 g/l ASUFIX MF ECO

pH 4

PAD. DRY AT 120°C. THERMOFIXED 1 MIN. AT 150°C.

ORIGINAL



DRY RUBBING FASTNESS

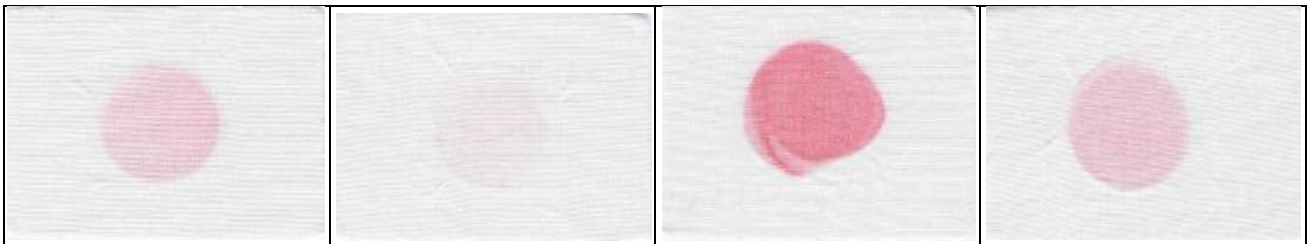
WET RUBBING FASTNESS

UNTREATED

ASUFIX MF ECO

UNTREATED

ASUFIX MF ECO



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## REMARKS

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- Fabric to be treated should be free from anionic components.
- Performance of ASUFIX MF ECO is achieved when it is used alone. Its performance can be altered when it is applied together with other finishing agents
- It is advisable to stir softly solutions of ASUFIX MF ECO in order to prevent the possible formation of precipitates.



ASUFIX MF ECO 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)

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