



## HSINSOU FIX-SR

Fixing agent for reactive & direct dyestuff

HSINSOU FIX-SR is an excellent efficient fixing agent for dyeing of cellulose fibers with reactive dyestuff . It could improve washing fastness and no significant difference in color-change . It is stable in high-alkali condition . It can apply with exhaustion or padding process .

### General properties:

Appearance	:	Yellowish liquid
Composition	:	Special polymer
Ionic nature	:	Cationic
pH (1% solution)	:	4.0 +/- 1.0
Solubility	:	Easy to dissolve in cold water

### Special features:

1. Suitable for dyeing cellulose fiber with reactive dyestuff.
2. Improve washing/wet fastness.
3. No significant difference in color-change ,and no influence on brightness .
4. Very stable in high alkali , no formaldehyde pollution problem .
5. Applicable to both exhaustion and padding process .
6. No influence on light fastness .

## Application:

### 1. Exhaustion process

#### Dosage:

HSINSOU FIX-SR	:	2% ~ 4% (owf)
pH	:	5.0 ~ 5.5 (HAc)
Temp.×Time	:	50 ~ 60°C×15 ~ 20 min

### 2. Padding process

#### Dosage:

HSINSOU FIX-SR	:	20g/l ~ 40g/l
pH	:	5.0 ~ 5.5 (HAc)
Temp.×Time	:	50 ~ 60°C×15 - 20 min

Can be used in combination with cationic after-treatment agent

### 3. Removing of HSINSOU FIX-SR

Dosage	:	1 ~ 2g/l Hydrochloric acid
Temp.×Time	:	50 ~ 60°C×15 ~ 20 min

\* Temp. do not higher than 70°C

#### Ex 1: (rubbing fastness)

EVERCION Red H-E7B	5.5%(owf)
EVERCION Red H-E3B	0.5%(owf)
HSINSOU L-450	0.5g/l
Na <sub>2</sub> CO <sub>3</sub>	20g/l
Na <sub>2</sub> SO <sub>4</sub>	80g/l
LR 1 : 20	
80°C×60 min	

#### Ex2 : (rubbing fastness)

EVERCION Turq HA	4.0%(owf)
EVERCION Blue H-EGN	1.0%(owf)
HSINSOU L-450	0.5g/l
Na <sub>2</sub> CO <sub>3</sub>	20g/l

Na<sub>2</sub>SO<sub>4</sub> 80g/l  
LR 1 : 20  
80°C × 60 min

Ex 3 : (light fastness)

EVERCION Turq HA 0.4%(owf)  
EVERCION Blue H-EGN 0.1%(owf)  
HSINSOU L-450 0.5g/l  
Na<sub>2</sub>CO<sub>3</sub> 10g/l  
Na<sub>2</sub>SO<sub>4</sub> 20g/l  
LR 1 : 20  
80°C × 60min

↓ Soapping

HSINSOU TD-S : 1g/l  
85°C × 20min

↓ Fixing

HSINSOU FIX-SR 2%, 4% (owf)  
LR 1 : 20 PH: 5.5 60°C × 20 min

↓ Dry 160°C × 90sec

Rubbing fastness CNS1499 L3032 B

Light fastness CNS1493 L3074 20hr

Note: full evaluation is recommended prior to commercial usage.