



# Improving agent to light-fastness and NO<sub>x</sub>-gas-fastness for Indigo-denim

## SHINEGUARD J-30N

SHINEGUARD J-30N makes the special amine derivative the main ingredients. SHINEGUARD J-30N demonstrates the improvement effect in the degree of light fastness of bleach washing processing indigo denim.

Also, can demonstrates the marked effect in prevention of yellowing by Nox gas.

### 【Properties】

Appearance	Milky white liquid
Ionic	Cationic
pH range	Approx. 5.5 (1%aq.)
Solubility	Disperse in water

### 【Characteristics】

For the bleach Indigo-denim :

- ① Improves the color fastness to the light, and prevents the yellowing to NO<sub>x</sub> gas.
- ② Does not change in color for the finished goods.
- ③ Soften and smooth the handle.

### 【Applications】 (※SENKA's product)

Indigo dyeing goods → Bleaching → Rinsing → Neutralizing → Soaping → Rinsing → **SHINEGUARD J-30N**(※) → Dehydrating → Dry ACW-31 (※) 5 - 10 %o.w.f. , 50°C×20min.

### 【 Test result of Light fastness and NO<sub>x</sub>-gas fading 】

Sample : Bleached indigo-denim

Treatment condition : Bath ratio1:15 , 50°C×15min.

0) Blank 1) SHINEGUARD J-30N 5g/l

	Light fastness (63°C×40h)		NO <sub>x</sub> -gas fading
	Irradiation	Non-Irradiation	6 units
0			
1			