ISONIK® F-RE

Fixing agent for cellulosic fibers, dyed or printed with direct and reactive dyes.

Fixing agent for silk and wool, dyed or printed with acid and metal complex dyes.

Nature	Quaternary ammonium compound
Appearance	Yellowish, cloudy liquid
Density (20° C)	1.1 g/cm3
Ionic nature	Cationic
pH 10% solution	6.5
Solubility	Can be added to water in any proportion
Foaming	Not foaming
Storage stability	Excellent in normal environment conditions for 12 months. Avoid frost ad scorching heat.

Product description

- Formaldehyde-free quaternary ammonium compound for strongly improving of washing fastness of cellulosic fibers, dyed or printed with direct and reactive dyes.
- Suitable as fixing agent for Sulphur dyes.
- Suitable on PA fabrics and blends after application of synthetic tannin, in order to further increase wet fastness.
- On printed articles ISONIK F-RE must be applied in the last washing bath.
- Slight or no influence on shade and light fastness; it is however recommended to run preliminary tests.
- Can be used in combination with cationic or non-ionic finishing agents.
- Can be applied together with anti-crease resins.
- Outstanding performance on wool and silk, dyed with acid and metal complex dyes.

Instructions

Preparation of solutions

ISONIK F-RE can be easily diluted in soft water. Suitable for automatic dosing system.

Dosage

- By padding: 3 – 10 g/l ISONIK F-RE for direct dyes, 2 – 5 g/l ISONIK F-RE for reactive dyes, at room temperature and pH = 5 - 7. Drying as usual.
- By exhaust: 0.2 - 1 % (o.g.w.) ISONIK F-RE for direct dyes, 0.2 – 0.6 % (o.g.w.) ISONIK F-RE for reactive dyes, at 30 - 35°C and pH = 5 – 7 for 15 – 20 minutes.

Removal

To recover faulty shades, ISONIK F-RE can be removed by washing at 65 - 75°C with 3 – 5 g/l formic acid (85%). Afterwards, goods must be deeply rinsed and neutralized.
The addition of 1 – 2 g/l anionic dispersing agent improves the polymer dispersion and avoids back-staining. In this case formic acid can be reduced to 2 g/l.