

EUROFIX 9002

Dye fixing agent for dyeing and prints produced with Reactive dyes and for dyeing with direct dyes on cellulosic fibers, by either exhaustion or padding.

CHARACTERISTICS	BENEFITS
Contains no formaldehyde	No negative impact on environment. Product is GOTS approved.
Remarkably improves the wash fastness and other wet fastness properties of dyeing with direct dyes and Reactive dyes.	Good water and perspiration fastness and improves fastness to washing.
Can be applied along with resin finishes.	No separate treatment required and excellent wash fastness possible.
Protects dyeing and printing with reactive dyes against hydrolysis and bond breakage.	No impairment wash fastness on storage under adverse conditions.
Protects migration of dyeing with reactive dyes.	No dye migration seen during drying.
Negligible changes on shade of dyed goods.	Good batch to batch reproducibility.
Very slight impartment of high fastness.	Advantage over products containing formaldehyde.
High exhaustion rates.	Less pollution load and economical.
NO harsh handle.	Cotton substrate, yarns and fabrics left with good natural handle.

PROPERTIES

Chemical constitution	Aqueous preparation based on polyamine
Ionic nature:	Cationic
Physical Appearance:	Pale yellow to amber liquid
pH (as it is pH meter)	7-9
specific gravity @25° C	1.05 – 1.2

Stability	Stable at ambient temperature
Solubility in water	Complete miscible in water.
Storage stability:	Keep in a dry, cool place. Avoid extremes of temperature. The product must therefore be stored in dry, closed containers and protected from moisture. Do not use metal containers.
General stability	Stable in hard water and to acids alkaline and electrolytes in usually encountered conditions in textile processing.
Ecology/Toxicology:	The usual hygiene and safety rules for handling chemicals should be observed in handling, storage and use of the product. The product must not be swallowed.

APPLICATION

Product is applied by either exhaust or padding method on goods dyed with direct dyes.

After treatment with Eurofix 9002 is recommended for deep shades produced with Reactive dyes particularly to prevent migration during drying and for improving various wet fastness properties.

DISSOLVING / DILUTING

Dilution can be made by adding it to cold water.

CONTINUOUS APPLICATION

Reactive Dyes	:	20 – 40 gpl EUROFIX 9002
Direct Dyes	:	40 – 60 gpl

BATCHWISE EXHAUSTION

Reactive Dyes	:	0.5% – 4% EUROFIX 9002
Direct Dyes	:	2% - 6% for 20 mins at 40°C.
pH	:	6 – 7 (adjusted with acetic acid)

AFTER TREATMENT OF PRINTS

Exhaustion	:	1% - 4% EUROFIX 9002
Open – width washer	:	4 – 10 gpl (EUROFIX 9002)

20 – 30mins at 30°C - 50°C and pH 6 – 7.

RESIN FINISHING

EUROFIX 9002 : 15 – 30 gpl

NOTES

Slight increase in pH at low temperature ensures good exhaustion and levelling. Softeners can be applied by one bath, two stage procedure.

The softeners applied first and Eurofix 9002 is added in the same bath.

ATTENTION

The information given above is in line with our present state of knowledge and experience and is without any guarantee. Users must thoroughly test any application before any commercialization. We are not liable for damages due to improper application of our products.