

## ***fst rw***

**GreenScreen® certified**



*fst rw* is a formaldehyde free polymeric compound with excellent indigo and sulphur dyes fixation properties

### Physical and chemical characteristics

Composition:	Synthetic polyamidic polymer compound
Appearance:	Yellowish/brownish liquid
pH:	3 ± 1
Ionic charge:	Cationic
Specific weight at 20°C:	1,06 g/mL
Water solubility:	Complete
Compatibility:	Always check the compatibility with products or chemicals other than suggested ones.
Storage:	Stable for 5 months in normal storage conditions, kept in its original packaging hermetically sealed. Avoid exposure for long periods at temperatures above 30°C and keep away from direct sunlight.

### Applications

*fst rw* is a special polymer mixture suitable for obtaining different results on denim garments, all achieved thanks to its characteristics of outstanding indigo and sulphur dyes fixation.

*fst rw* does not alter fabrics mechanical properties and can be used to perform zero formaldehyde treatments.

*fst rw* is able to improve washing and rubbing fastness of denim garments, reducing color bleeding during subsequent treatment phases.

*fst rw* improves scrapeability of treated fabrics, allowing to get more brilliant garments with exaltation of abraded areas.

The use of *fst rw* for the realization of *truly raw* effects allows for achieving fashionable treatments with the original shade and appearance of raw fabric. Treated garments keep unchanged their look even after repeated home laundering.

*fst rw* added to resins or mixture of resins for 3D effects is able to increase performances both in

terms of fixation and of folds permanence.

Thanks to its physical and chemical properties, *fst rw* meets the requirements to properly perform *nimbus* processes, which are applications through nebulization in self-contained systems.

### Conditions of use

*fst rw* can be applied by different techniques, depending on desired final effect and available industrial applications: by dipping or by spray, but also by exhaustion in machine.

- **Indigo fixation**

The application of *fst rw* by exhaustion in machine is performed by treating garments at 40°C – 45°C for 10 - 20 minutes. Usually the treatment is carried out after a desizing phase by *dw 16 lt*, that is able to work at cold temperature thus limiting color bleeding, followed by one or two cold rinses.

- ***truly raw* effect**

*fst rw* is applied by spray on rigid garments. In order to obtain an appearance as nearest as

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possible to fabric original one, it is recommended to:

- a. Cure garments in static oven at 120°C.
  - b. Use products of *denim breeze* line at cold temperature, during washing steps.
  - c. Dry and treat garments inside out, during washing and drying phases.
- ***fst rw* for 3D effects**  
Conditions of application remain unchanged with respect to what is required by resins used for obtaining the 3D effect. It is however necessary to preliminarily test the stability of final mixtures.

## Dosages

Dosages can vary depending on kind of fabric, applicative conditions and desired final effect.

- **Indigo fixation**  
Dose from 5% to 10% on goods weight of *fst*

*rw* directly in machine with a LR of 1:10.

- ***truly raw effect***  
Apply by spray solutions with 20% to 40% of *fst rw* diluted in water.
- ***fst rw* for 3D effects**  
Add to the mixture of resins for 3D from 5% to 15% of *fst rw*, depending on requested final 3D effect and degree of fixation.

## Notes

It is always advisable to run preliminary tests to verify in advance the possibility to achieve the final required results, taking into consideration the type of fabric and the employed process.

For details about recommended dosages and methodology to follow for a correct product application in conditions different from those ones here mentioned, we kindly invite our Customers to contact our Technical Assistance Service.

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