

Multifunctional Additive for Eliminating Desizing Step in Garment Processing

RAN-RG-109 (DS)



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RAN-RG-109 (DS)

APPLICATION

RAN-RG-109 (DS) is a multifunctional surfactant additive with a revolutionary concept. It can be added directly to the enzyme wash, so that one step of enzyme desizing is completely eliminated and garment processing can be done in one step instead of conventional two steps of enzyme desizing and enzyme wash.

CHEMISTRY FOR PERFORMANCE

- Highly effective desizing and anti-back staining agent
- Excellent lubricating agent
- Better Graining effect
- Reduces the deposition of fine fibre on the surface
- Softer feel

Chemistry For Economics

- Saves water, energy, manpower etc. of desizing step
- Reduces the need of anti back staining agent
- Eliminates / reduces quantity of lubricant
- No need of reversing the garment to avoid crease marks

Physical Properties

Product	Colour	Stability	pH	Dosage	Packing
Non-Ionic Combination of polymeric surfactant and surfactants, Bio-degradable	Brownish yellow Pourable liquid	Stable over wide range of pH	6 - 7	0.4 - 0.6% on wt. of the garment.	35 kgs



I. DESIZING & BIO-POLISHING IN THE SAME BATH IN SINGLE STEP

TYPICAL RECIPE

CONVENTIONAL SYSTEM – 2 STEPS

STEP –1 : DESIZING

Content	Dosage
Fabric	100 KG
Wetting Agent	0.1 KG
Enzymes (Desizer)	2 - 3 KG
Anti back staining Agent	0.5 KG
Lubricating Agent	0.3 – 0.5 KG
Temperature	60°C
Time	20 Min.

STEP – 2 : ENZYME WASH / BIO POLISHING

Enzyme	2 KG
Water	400 KG
Anti back staining agent	0.5 KG
Temperature	60°C
Time	45 Min.

OUR SYSTEM – 1 STEP

DESIZING + ENZYME WASH / BIO POLISHING

Content	Dosage
Fabric	100 KG
RAN-RG-109 (DS) (Desizing)	0.4 – 0.5 KG
Anti back staining Agent	NIL
Enzyme (Bio-Polishing)	2 – 2.2 KG
Water	400 KG
Temperature	60°C
Time	45 Min.

PROCESS: DESIZING & BIO-POLISHING IN THE SAME BATH

- Load the Denim / garment in the machine.
- Add RAN-RG-109 (DS) (in dilution of 1:10 in soft water).
- Run for 10 – 15 minutes at 55 - 60°C temp.
- Maintain the pH as required for enzyme.
- Add Acid Cellulose / Neutral Cellulose Enzyme.
- Start the machine.
- Run for 45 minutes (as per enzyme specification).
- Drain.
- Prepare fresh bath at 50°C with normal liquor ratio.
- Add RAN-CLR-40 - (Tint clearing agent) at 0.5 – 1.0 %
- Run for 10 - 15 minutes.
- Drain.
- Rinse.
- Follow regular process of bleaching, finishing etc.

Note: Dosage given on weight of garment.

The literature indicates general information guidelines on our product for their use. The user should check the suitability of the product for his own use. We make no warranty of any kind expressed or implied. Industrial safety practice is to be followed. We take no responsibility and expressly disclaim liabilities for law, damage or expense rising out of or in any way connected with the handling, storage, use or disposal of the product.