



DenimBlu³⁰ THE ORIGINAL

remarkable savings in indigo, hydrosulphite and caustic Soda.

easy to dose, no blocked pipes, no sedimentation in storage tank.

reproducibility of all your existing shades, deepest shades possible.



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BLU CONNECTION
people. passion. projects.



features of DenimBlu³⁰

- aqueous solution of reduced indigo
- no inorganic salt deriving from the chemical reduction of indigo
- indigo concentration of 30% (based on granules)
- sodium hydroxide concentration of 6%
- density of 1.15 g/ml, 20°C
- easy to dose

advantages using DenimBlu³⁰

- remarkable savings in indigo, hydrosulfite and caustic soda.
- more fabric up to standard – less off-shade fabric – reduced number of shade groups.
- potential of savings in wash water.
- precise and easy application of a standardized product instead of frequent preparation of stock vats.
- improvement of industrial hygiene. cleaner dyehouse avoiding dusts.
- elimination of dyebath overflow.
- reduction of the salt load and sludge formation in the waste water treatment plant.
- reduced labour costs.
- option to dye deeper shades.
- technical assistance from bluconnection experts.
- support in up-grading process control using state-of-the art or even tailor-made equipment.



guideline recipes

preparation of fresh dyebath	slasher dyeing range 2.2 % in 6 dips	rope dyeing range 3.2% in 8 dips
glauber's salt	25 g/L	25 g/L
dispersing agent	1 g/L	1 g/L
wetting agent	1 g/L	1 g/L
sequestering agent	2 g/L	2 g/L
caustic soda 50%	6 mL/L	6 mL/L
hydrosulphite	1 g/L	0.6 g/L
DenimBlu ³⁰	9 mL/L	7 mL/L

dyebath parameters	slasher dyeing range 2.2 % in 6 dips	rope dyeing range 3.2% in 8 dips
indigo concentration (based on granules)	3.1 g/L	2.4 g/L
hydrosulphite concentration	0.6 g/L	0.3 g/L
pH	11.90	11.90
temperature	30 °C	30 °C
density	1.040 g/mL	1.035 g/mL

feed rates for the dyebath	slasher dyeing range 2.2 % in 6 dips	rope dyeing range 3.2% in 8 dips
DenimBlu ³⁰	550 mL/min	1582 mL/min
caustic soda 50%	6 mL/L	6 mL/L
hydrosulphite	140 g/min	190 g/min
dispersing agent	7 mL/min	14 mL/min
wetting agent	7 mL/min	14 mL/min
sequestering agent	14 mL/min	28 mL/min

the feed rates listed above correspond to the parameters. however, the pH and the concentrations of indigo and hydrosulphite have to be determined frequently. if necessary the referring feed rates have to be adjusted.



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