



SIMULTANEOUS SCOURING and
REACTIVE DYEING of COTTON

Nobleach N WEL

NOBLEACH N WEL ECOLOGICAL, ONE BATH SCOURING - DYEING OF COTTON

Special emulsifier for dyeing of greige or insufficiently scoured cotton fibers, yarns and knit's.

Due to environmental and economical concerns, new contemporary chemicals are designed to dye cotton in one step, combin scouring and dyeing. **NOBLEACH N WEL** is a very interesting product for dark shades, like black, navy and burgundy. One step process offer the following advantages.

- Time saving, since whole scouring-rinsing-neutralising steps are skipped, total time is reduced by 3 - 4 hours,
- Water saving, 3 - 4 times filling of dye tank is saved, so less environmental pollution,
- Better handle,
- Less chemical consumption,
- Less weight loss, (drops around the weightloss 2 %)
- Less crease formation,
- Increased productivity.

NOBLEACH N WEL is foamless combination of,

- Wetting and scouring,
- Emulsifying and dispersing,
- Levelling,
- Crease preventin,

chemicals.

ENVIROMENTAL

- Since scouring, rinsing and neutralizing steps are skipped, less process water is used. Because,

Normal reactive dyeing water consumption150 - 200 L/kg

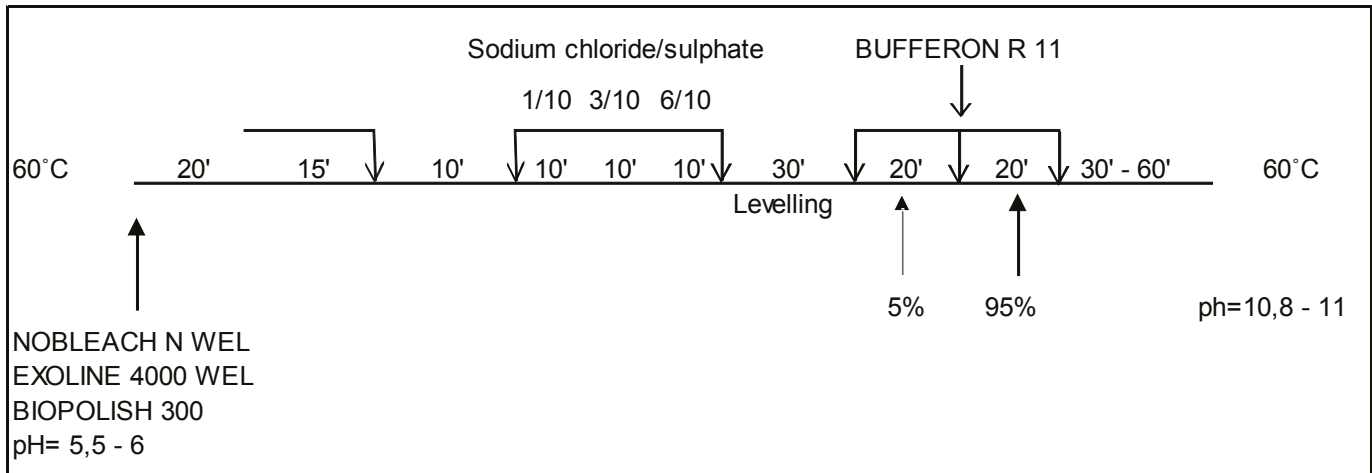
NOBLEACH N WEL process water consumption100 - 120 L/kg

- Scouring and neutralizing chemicals are saved.

NOBLEACH N WEL process yields, 10 - 15 per cent deeper shades, less dyestuff is required to match a certain shade, so reduced effluent.



DARK SHADE DYEING with NOBLEACH N WEL



GUIDELINES TO APPLICATION

Dyeing in greige stage with NOBLEACH N WEL

As mentioned in dyeing graph, fabric is loaded into the bath containing,

NOBLEACH N WEL	2 %
EXOLINE 4000 WEL	1 %
BIOPOLISH 300	0,5%
Temp.	60 °C
Bath ratio	1:10

- Run 20 min, without draining, continue normal reactive or direct dyeing and washing processing.
- **NOBLEACH N WEL** is reformulated and enriched with degreasing property.
- If enzymatic polishing is required, cellulose enzyme is also added into the bath, at the beginning, together with **NOBLEACH N WEL**. Since **NOBLEACH N WEL** is nonionic, it does not deactivate enzyme.
- **NOBLEACH N WEL** can be added into the dye bath of colored shades in case bleaching is not required.