

Sustainable

Concepts in textile Processing



A
Step
Toward
Sustainable
Textiles



Greenovations...



Because we can expect future generations to be richer than we are, no matter what we do about resources, asking us to refrain from using resources now so that future generations can have them later is like asking the poor to make gifts to the rich.'

Julian Simon

Plant based Softener

- Vegan
- Offers good softness
- No potentially harmful chemicals
- Gentle on environment
- User friendly

100%
Biodegradable

Greenurea Liquid - Urea free Dyeing

- Swells the cellulose fibres
- Causes dyes to disaggregate
- Increases the solubility of dyes
- Retards the evaporation of water during drying
- Increases the condensation of water on the print during steaming

TDS
Reduction

Biogreen Process - 100 % Ecofriendly Process

- Novel concept
- Effective scouring without alkali
- Biodegradable surfactants
- Better hand feel of the processed goods

No
synthetic
chemicals

No dyes

Kool Magic Process

- Complete low temperature processing
- Desizing, biofading, finishing
- Saves energy
- Especially recommended for denim

Energy
Saving

Optigain Process – For Terry towels and Knits

- Reduces substrate damage
- Retains strength
- Provides soft feel
- Better hydrophilicity
- Sustainable

Minimal
weight
loss

Krisil TDS Liquid - Salt Free dyeing

- Maximum fixation of dye
- Minimum hydrolysis of dye
- Less water consuming wash-off process
- Significant savings in process costs
- Environmental friendly

TDS
Reduction

Greensil Liquid - Silicate Replacement

- Especially for blacks
- Effectively inhibits the aggregation of dyes
- Reduces color spots and stains
- Increases color depth of the CPB dyed fabrics

Safer for
ETP

Greenovations...

Greenboost

Novel biomolecule for caustic free scouring

- Reduces TDS considerably
- Saves energy & time
- Eco-friendly

Neutral
&
Caustic Free



Mint Bleach

Unique product for low temperature bleaching

- Better whiteness
- Low environment impact
- Reduced heat energy & process time

One Bath
Process
Desizing &
Protonic
treatment



COD, BOD
& TDS
Reduction



Greenbleach Liquid

Environment friendly product for bleaching at neutral pH

- Innovative pretreatment process
- Caustic free process
- No need of core alkali neutralisation

Energy &
Time Saving



Rexsize PRO Liquid

Unique acid stable biomolecule for desizing

- Highly effective for removal of size
- Can be effectively combined with protonic treatment to reduce pin hole damage caused by presence of Fe ions in bath
- Good compatibility with chemicals in desizing bath

Greenovations...

Bioclay Paste

All in one clay based product for pre-treatment processes

- Excellent wetting and emulsifying action
- Good sequestering, lubricating & chelating action
- Effectively removes the waxes, pectins and other insoluble impurities
- Suitable for all discontinuous application such as full white bleaching, scouring elastane blends to emulsify and remove oil



COD & BOD Reduction

Greensoda Series

Ecofriendly alkali buffer

- Reduces TDS substantially compared to conventional soda ash fixation
- Produces brighter and cleaner shades
- Better reproducibility and operational safety
- Produces stable alkalinity over the entire fixation period



TDS Reduction



COD & BOD Reduction

Greenacid Series

Ecofriendly substitute to acetic acid

- Nearly 50% reduction in BOD/COD
- Assures consistent results in polyester dyeing with very high levelling properties and true colour
- Has greater core alkali neutralisation
- No yellowing of shades in case of white



TDS Reduction

Greenhydro 400 Powder

Ecofriendly replacement of Hydrose and caustic in Reduction clearing

- Powder with less odour
- Works under acidic pH
- Dyeing and RC in same bath
- Water, time and energy saving

ROSSARI BIOTECH LIMITED

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