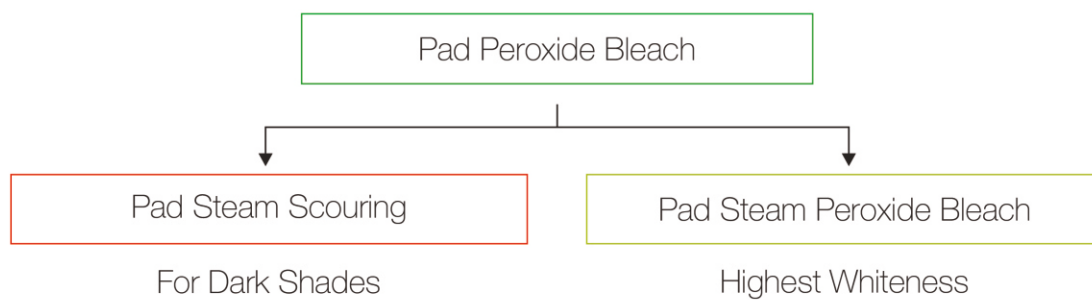
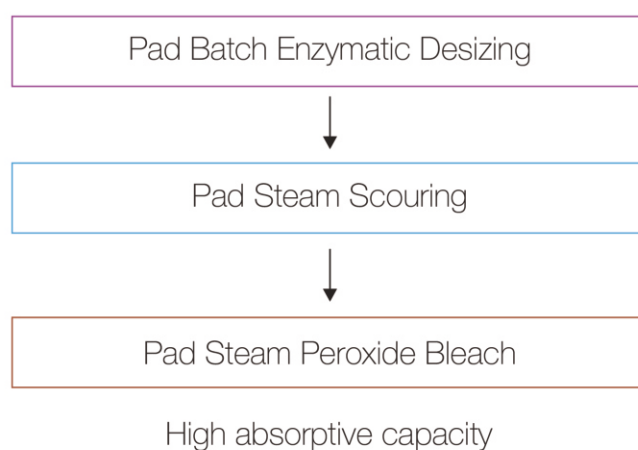
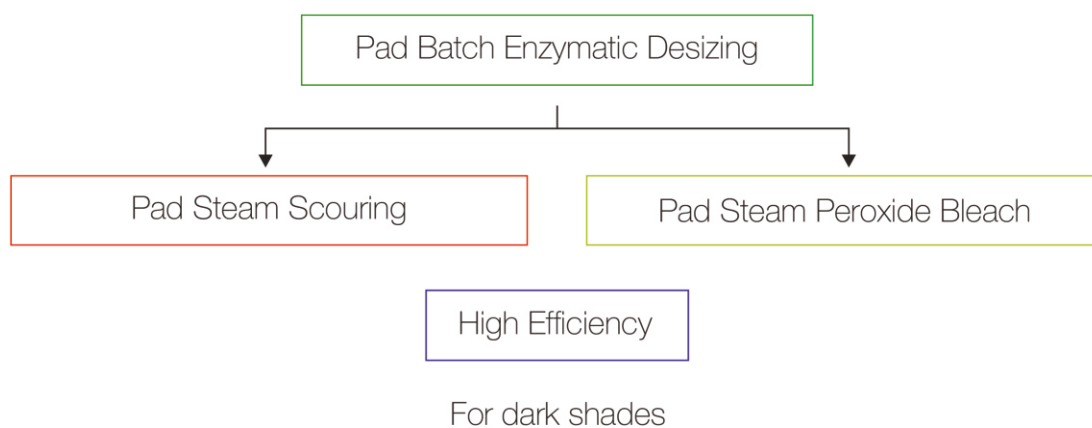


The Value Package for Woven Fabrics Processing



CONTINUOUS PRETREATMENT MAIN PROCESS COMBINATIONS



High efficiency α -amylase enzyme:

Orzyme AMHT

- High enzyme activity with good stability to storage.
- Applicable by continuous & discontinuous methods.
- Efficiency over a wide temperature range.

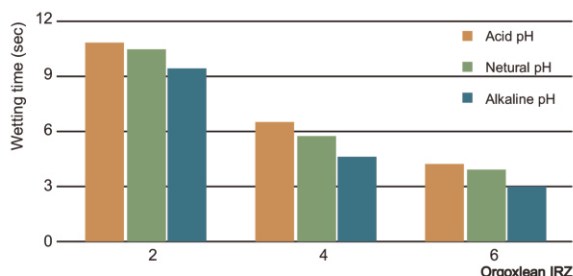
TEGEWA Violet Scale

Residual Starch : Test with Iodine + Potassium Iodide



Wetting power.

Orgoxlean IRZ is indicated for almost all pretreatment processes : good wetting properties in a wide pH range.



Wetting, detergent & emulsifier:

Orgoxlean IRZ

- Excellent wetting power in alkaline & acid conditions.
- Excellent re-wetting properties
- Good biodegradability
- Pumpable & Suitable for auto dosing systems
- Low foaming

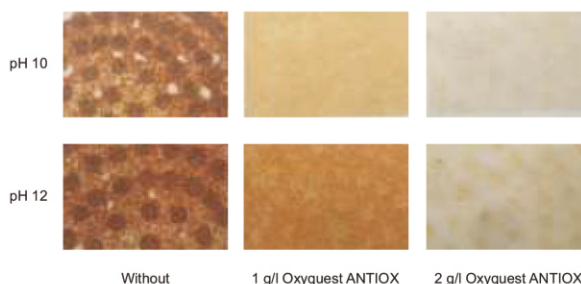
Sequestrant:

Oxyquest ANTIOX

- High sequestering power towards heavy metal 12^+ over wide pH range.
- Excellent dispersing power boosts cleaning effect of detergents & avoid formation of non soluble residues on textiles.
- Helps to keep machine from scale deposits.
- If used in desizing it helps to lower the risk of catalytic damage in subsequent bleaching

Iron : sequestering power

A solution of denoted iron(III) is prepared and brought to the required pH. Oxyquest ANTIOX is added to the bath and subsequently heated to 90°C and maintained for 60 min. The filtration of the bath shows the sequestering effect of 1 and 2 g/l of Oxyquest ANTIOX at pH 10 and 12.



Peroxide Stabilizer :

Oxytab CBS

- Efficient peroxide regulation properties in high alkaline conditions
- High dispersing power to support anti catalytic action
- Non foaming
- Anti catalytic properties prevents fibre damage.

WOVEN FABRIC BLEACHING - DISCONTINUOUS PROCESS

Desizing: Orgoxlean IRZ 4 }
 Orzyme AMLT 5 } 2 Ends
 Oxyquest ANTIOX 2 }

padding @ RT, pH 6-7, Dwell 8 Hrs.

Mercerising: 260 - 300 g/l NaOH (48%)

Neutralising: CLEENACID 3-5 ml/kg.

Bleaching: Orgoxlean IRZ 0.6 }
 Orgix USB 0.6 } Boil Temp.
 NaOH (48%) 4 } 2+4 Ends
 H₂O₂ 4 }

Hot Wash - 2 Ends

 Orgoxlean IRZ 0.5 }
 Orgix USB 0.5 } 6-8 Ends
 H₂O₂ 2-3 }
 Soda Ash 2-3 }
 Lumiphor BMF 0.65%
 B-Co₂pdr 0.06%

Hot Wash - 2 Ends



Finishing : 1) FOR PEACH
 Orylube Hd 10-30
 Silibond 8481 10-30

2) FOR BRUSHING
 Silibond 8481 g/l

3) RESIN FINISHING
 Rigifin VLF 20g/l
 MgCl₂ 6H₂O 4-5
 Terysoft NMW 15-20
 Oxlube HD 20

Pad, Dry, Cure, 160°C, 90Sec

4) MERCERISED COTTON
 Terysoft NMW 15-20
 Silisoft MACRO 25
 Oxlube HD 20

Pad, Dry (140° - 180°C)



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