

HEALTHCARE

READY FOR
A REVOLUTION?

RKI-listing
certified at 60° C



COOL CHEMISTRY

Total wash concept for the gentle but highly effective
treatment of healthcare linen

OUTSTANDING DISINFECTION PROPERTIES
FROM 40° C ONWARDS

EXCELLENT STAIN REMOVAL

PH NEUTRAL PROCESS

PROLONGED TEXTILE LIFETIME

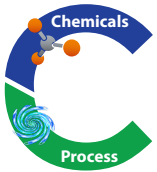
PASSIONATE ABOUT LAUNDRY



CHRISTEYNS
LAUNDRY TECHNOLOGY



Concept



Christeyns developed **Cool Chemistry**, a total wash concept that has an impact on nearly all laundry costs. **Cool chemistry** is based on truly innovative chemicals, combined with an adapted and well balanced wash process.

Cool Chemistry offers the possibility to wash at lower temperatures, with excellent wash quality, bleaching and disinfection results from 40°C onwards.

Components

Innovative chemicals



Detergent : Cool Care

- Innovative surfactants and an enzymatic cocktail, active from 40° C onwards

INCLUDING THE POWER OF ENZYMES

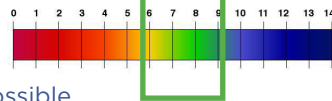
Disinfectant : Cool Asepsis

- Great bleaching & disinfection from 40° C onwards
- No smell
- Compliant with EN1276, EN1650, EN13704, EN14476 and EN13727

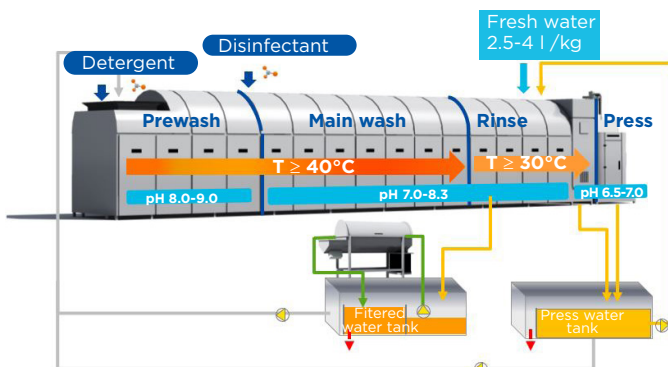


Adapted wash process

- Neutral pH
- Less salts
- Low temperature possible
- Can be used in all existing process set-ups



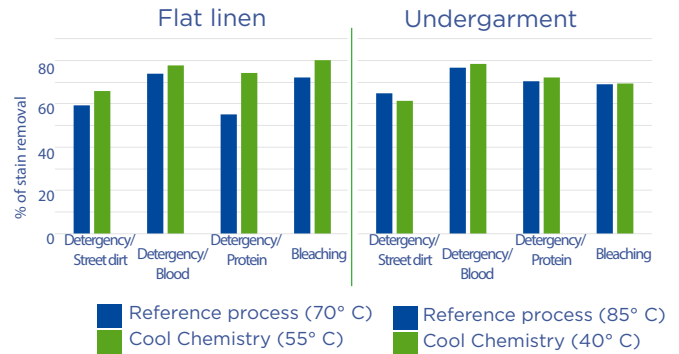
Standard process set-up healthcare *



* depending on textile classification and loading

Test results

Wash quality of flat linen and undergarment



Case studies

Customer Flat linen

Temperature	70° C → 50° C
Disinfection	DES-CONTROLLER® > 10 ⁶
	Press liquor < 100 CFU/ml
	Rodac dry linen = 0 CFU / cm ²
Water	Savings : 1 l /kg linen
Energy	Savings : 0,05 kWh/kg linen
Textile damage	Only 3 % tensile strength loss (25 washings) at 55° C
Conductivity	Increase < 600µS/cm

Customer Undergarment

Temperature	85° C → 40° C
Disinfection	DES-CONTROLLER® > 10 ⁶
	Press liquor = 0 CFU/ml
	Rodac dry linen = 0 CFU / cm ²
Water	Savings : 3,8 l /kg linen
Energy	Savings : 0,25 kWh/kg linen
Textile damage	Only 6 % tensile strength loss (50 washings) at 40° C
Conductivity	Increase < 400µS/cm

Benefits

QUALITY

- Excellent disinfection results (RAL992/2)
- Hygienic security for linen from care home residents (RAL992/4)
- Longer textile lifetime
- Avoids recontamination of the textiles

OPTIMISED OPERATIONS

- Robust process at neutral pH
- Lower temperatures
- Lower conductivity
- Reduced carbon footprint

