Cool Chemistry @ work

COOL CHEMISTRY

Total wash concept for the gentle but highly effective treatment of white, blue and high-vis workwear

- Good stain removal
- Longer textile lifetime
- Optimal loading
- Less sorting
COOL CHEMISTRY

Concept

Cool Chemistry is a total wash concept for the gentle but highly effective treatment of linen, based on truly innovative chemicals and an adapted, 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

Detergents: main components
- Surfactants: with a very high soil suspension capacity, especially suitable for polyester fibres.
- Enzymes: Cocktail of stain-specific enzymes that perform optimally at 45°C - 60°C and pH 10 – 10,6
- Sequestrants: Innovative mix of sequestrants that prevent the formation of iron hydroxide and that function optimally in a wide pH range

White workwear solution
- Liquid/Liquid
- Powder/Liquid

Cool Intense
Cool Extract Green
Power Classic

Blue & high-vis workwear solution
- Liquid/Liquid
- Powder/Liquid (not for high-vis)

Cool Star
Cool Shine
Power Classic

Disinfectant: Cool Asepsis
- Great bleaching and disinfection from 40°C
- No smell
- Compliant with EN1276, EN1650 and EN13704

Adapted wash process

Lower temperatures
- Less sorting needed, so the linen can stay together per customer
- No cooldown needed
- Improved flow of the linen

Optimal reuse of press water
- Rinsing is possible with less fresh water (4-5 l/kg)

Standard process white workwear (liquid-liquid)

Test results

Wash quality of white workwear

- Stain removal
- Bleaching

Case studies

Customer Food Industry

<table>
<thead>
<tr>
<th>Liquid/Liquid</th>
<th>Powder/Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>Before</td>
</tr>
<tr>
<td>85°C</td>
<td>55°C</td>
</tr>
<tr>
<td>Rinse Water</td>
<td>Fresh</td>
</tr>
<tr>
<td>Reuse</td>
<td></td>
</tr>
<tr>
<td>Chemical damage</td>
<td>0.7%</td>
</tr>
<tr>
<td>Strength reduction</td>
<td>23.4%</td>
</tr>
<tr>
<td>Degree whiteness</td>
<td>222</td>
</tr>
<tr>
<td>Basic whiteness (Y-value)</td>
<td>88</td>
</tr>
<tr>
<td>Conductivity</td>
<td>Increase &lt; 600 µS/cm</td>
</tr>
<tr>
<td>Loading</td>
<td>40 kg</td>
</tr>
<tr>
<td>(tunnel 50kg)</td>
<td></td>
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</tbody>
</table>

Customer Industrial workwear

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Benefits

QUALITY
- Good stain removal
- Longer-lasting whiteness & brighter colours
- Perfect disinfection (white & high-vis)
- Longer textile lifetime
- Less wrinkling

OPTIMISED OPERATIONS
- Lower temperatures
- Optimal loading
- Less sorting
- Lower water consumption

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