

| Symbol | Washing Process   | Symbol | Washing Process   | Symbol | Washing Process   |
|--------|---|--------|---|--------|---|
|        | - Maximum washing temperature 95 °C<br>- Normal Process   |        | - Maximum washing temperature 50 °C<br>- Normal Process   |        | - Maximum washing temperature 30 °C<br>- Normal Process   |
|        | - Maximum washing temperature 95 °C<br>- Mild Process     |        | - Maximum washing temperature 50 °C<br>- Mild Process   |        | - Maximum washing temperature 30 °C<br>- Mild Process   |
|        | - Maximum washing temperature 70 °C<br>- Normal Process   |        | - Maximum washing temperature 40 °C<br>- Normal Process   |        | - Maximum washing temperature 30 °C<br>- Very Mild Process  |
|        | - Maximum washing temperature 60 °C<br>- Normal Process   |        | - Maximum washing temperature 40 °C<br>- Mild Process   |        | - Hand wash<br>- Maximum temperature 40 °C  |
|        | - Maximum washing temperature 60 °C<br>- Mild Process     |        | - Maximum washing temperature 40 °C<br>- Very Mild Process  |        | - Do not wash   |
| Symbol | Tumble Drying Process                                     | Symbol | Bleaching Process   | Symbol | Professional Textile Care Process   |
|        | - Tumble drying possible<br>- Normal temperature          |        | - Any bleaching allowed   |        | - Professional dry cleaning in perchloroethylene and all solvents listed for the symbol F<br>- Normal Process   |
|        | - Tumble drying possible<br>- Drying at lower temperature |        | - Only oxygen/non-chlorine bleach allowed   |        | - Professional dry cleaning in perchloroethylene and all solvents listed for the symbol F<br>- Mild Process   |
|        | - Do not tumble dry                                       |        | - Do not bleach   |        | - Professional dry cleaning in hydrocarbons (distillation temperature between 150 °C and 210 °C, flash point between 38 °C and 70 °C)<br>- Normal Process |
| Symbol | Natural Drying Process                                    | Symbol | Ironing Process   |        | - Professional dry cleaning in hydrocarbons (distillation temperature between 150 °C and 210 °C, flash point between 38 °C and 70 °C)<br>- Mild Process   |
|        | - Line dry  |        | - Iron at maximum sole plate temperature of 200 °C  |        | - Do not dry clean  |
|        | - Drip dry  |        | - Iron at maximum sole plate temperature of 150 °C  |        | - Professional wet cleaning<br>- Normal Process   |
|        | - Dry flat  |        | - Iron at maximum sole plate temperature of 110 °C<br>- Steam ironing may cause irreversible damage |        | - Professional wet cleaning<br>- Mild Process   |
|        | - Dry in the shade  |        | - Do not iron   |        | - Professional wet cleaning<br>- Very Mild Process  |

in association with SATRA



Always avoid over and underloading of washing machines.

Overloading can lead to:

- Reduced wash quality and can damage the machine bearings

Underloading can lead to:

- Too high a concentration of wash chemicals
- Machine going out of balance
- Increased effect of mechanical action on textiles

Know your care symbols.

Make regular check on dip levels.

Too much water can result in:

- Poor extraction
- Over dilution of chemicals
- Poor mechanical action

Too little water can result in:

- Increased chemical concentration
- Increased mechanical action
- Poor wash results

Ensure water is extracted correctly.

Greying of white work could be caused by:

- Effects of hard water
- Soil redeposition - poor soil suspension
- Accumulated alkali residues
- Incomplete soil removal
- Poor rinsing
- Loss of optical brightening agents from the fabric

Report repetitive quality faults.

Tumble drying:

- Don't overload or under load
- Check air filters regularly
- Allow cool down
- Empty drier promptly
- Shake out textiles
- Do not leave tumble driers loaded overnight

Monitor gauges and settings during the wash.

Thermal disinfection can be achieved at wash temperatures of:

- 65°C for not less than 10 minutes
- 71°C for not less than 3 minutes

Efficient use of detergents:

- Dose correct amount at the correct time during the process
- Use correct detergent for work and soil type
- Ensure temperature of wash is correct for detergent type
- Ensure good rinsing to prevent chemical build up and textile damage and to ensure comfort of garment wearer

Good housekeeping is essential:

- Clean detergents deposits regularly from dispensers
- Wipe down door seals
- Wipe down pipes to avoid lint build up and so you can see any leaks
- Mop up chemical spills immediately
- Clean overhead pipes regularly to prevent possible fire spread

Check wash quality regularly using pre-stained test pieces.

Thermal creasing during washing can be caused by:

- Poor temperature control
- Failure to correctly classify thermoplastic fibres such as polyester
- Breakdown of the machine during hot cycles
- Lack of correct cool down

Check steam pressure regularly.

Sorting:

- Do not mix contrasting colours
- Never mix contaminated work with regular work
- Separate wash types requiring different wash temperatures

- Check for sharps
- Weigh loads to correct weight for machinery capacity
- Select correct programme for the load type
- Use correct additives for fabric soiling
- Use correct amount of additives for weight of load
- Operate machine to manufacturer instructions
- Redirect unsatisfactory washed items

Check water quality regularly.

- Sort workwear by:
- Fibre content
  - Colour
  - Soiling type and degree

- Sort flat work by:
- Product type
  - Colour
  - Soiling type and degree

Dry cotton to 50% water retention for best quality finish.

Elements of washing process:

- Wash: Process provides mechanical action with chemical action and temperature and time to remove soiling and prevent redeposition onto textile
- Rinsing: Process removes chemical and soiling from textiles
- Cooldown may be required to prevent thermal creasing of polyester and poly/cotton blends
- Interspin: to help improve rinse efficiency
- Extraction: to remove water prior to drying and finishing

Do not use bleaching as a cover for poor washing.

## ARMSTRONG COMMERCIAL LAUNDRY SYSTEMS - THE WORLD'S FAVOURITE LAUNDRY EQUIPMENT

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