

CARE INSTRUCTIONS

Recommendations for the cleaning and care of protective clothing

PREPARATION FOR WASHING

Generally speaking, clothing is to be treated according to the instruction label sewn into the garment. In order to avoid contaminants being deposited (e.g. cotton fluff) protective clothing should always be washed separately from other articles of clothing. Prior to cleaning, all closing elements such as zip fasteners, velcro fasteners, etc. should be closed or, respectively, should be covered. All pockets are to be emptied. Koller, lettering on the back of the clothing and detachable metal parts (e.g. snap hooks) are to be removed.

Severely soiled articles of clothing or such which are accidentally saturated with an inflammable liquid can be treated in the following manner:

- Local application of liquid preparatory agents (Recommendation: SAPTIL) or suitable solvents
- As prewash or washing agent supplement Lizerna Intensive (from BÜFA) is recommended
- Repeat washing

To avoid possible transfer of contaminants into the private sector it is recommended that household machines should not be used.

DETERGENT

It is essential that a color washing agent without bleaching additive be used. Special detergents for PPE provide increased safety over longer periods of usage. Fabric softeners may not be used.

It is possible to use products or complete systems from other suppliers. Please clarify the comparability of the chosen products in advance with the supplier.

It is particularly important to comply with the basic requirements : no bleaching additive, no fabric softeners.

The washing agent should exhibit the following properties:

- Efficient prevention of color transfer
- Frothing prevention (free of silicone) and antistatic

Recommendation:

Lizerna Intensive (prewash), Ozerna Polar (washing), Terasit Lotus (subsequent impregnation)

WASHING

In the experience of the manufacturer the best results are achieved with the machines from GIRBAU and Kannegießer, with ozone injection and selective use of the washing agent (recommendation: Ozerna Polar).

- Wash with high water level (ratio of clothing/water 1:8 to 1:10).
- A pH-value of 6-8 is to be kept.
- Washing temperature 40°C – 60°C.
- Load capacity 1/3 to 1/2 of drum capacity
- Program duration maximum 40-50 minutes.

Do not bleach or chlorinate. Use washing agent without bleaching additive for colored clothing.

SPIN DRYING / DRYING

Spin dry with intervals in order to remove water pockets from the membrane layer. Tumble dry or hang out to dry. Gentle tumble drying (F) is sufficient. Process is to be completed when residue moisture reaches 10-20%. In this way creases can be avoided.

We recommend drying in a drying cabinet.

To activate impregnation, heat treatment at 60-80°C is necessary (temperature of maximum 80°C at end of process).

DISINFECTIVE WASHING

Disinfective washing can be carried out chemically with peracetic acid products at 60°C. This should only be an exception. A pH-value of 6-8 has to be kept. Please contact your washing machine supplier for information.

SUBSEQUENT IMPREGNATION

In the event that water droplets no longer run off, it is recommended to re impregnate with fluorocarbon (recommendation: Tetrasit Lotus). This is applied after washing and rinsing measures are complete. Best results are achieved by spraying the article at the end of rinsing. In this way contamination of the inner layers with impregnation can be avoided.

The fluorocarbons must be activated by subsequent heat treatment. This is achieved by heat treatment in the dryer or by hanging the article in a drying cabinet. Please refer to the instructions for use on the impregnation agent.

REFLECTIVE STRIPS

An overdosage of the impregnation agent can diminish the life span of the reflective strips. Treatment with industrial washing processes should be coordinated in individual cases. In the case of severe soiling pre-treat the article by cleaning manually with a sponge or brush using lukewarm mild washing suds. Remove tar, fat and other stains with a washcloth soaked in cleaning solvent. (Dampening the outer material is to be avoided at all costs.). Close by rinsing thoroughly. Take care in the use of stain removal agents – check compatibility in advance.

Further information on selection, usage and care, including maintenance, is available in CEN/TR 14560:2018.