



MANUFACTURER'S INSTRUCTIONS AND INFORMATION

Firefighter's suit

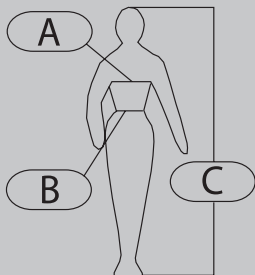
Article no.:

18800-0000-000 – 188999-99999-9999

28800-0000-000 – 288999-99999-9999

38800-0000-000 – 388999-99999-9999

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E.g.: Size 50/Unisex size M

A Chest size cir.	96-104
B Waist size cir.	84-92
C Height	172-180

All dimensions in cm.
The protective clothing meets the requirements of regulation (EU) 2016/425.


 X
Y
Z

EN469:2020

Protective clothing for firefighters Performance levels as per EN 469:2020 or EN 469:2005+A1:2006+AC:2006

Xf1/Xf2	X1/X2	Heat transfer flame
Xr1/Xr2		Heat transfer radiation
Y1/Y2	Y1/Y2	Water resistance
Z1/Z2	Z1/Z2	Water vapour penetration resistance


 Xf
Xr
Y
Z

EN469:2005

Performance level 2 provides a higher level of protection than performance level 1.



Protection against static electricity as per EN 1149-5:2018 or 1149-5:2008

Refer to the label in the protective clothing for all the information.

Protective clothing against heat and flame
Performance levels as per EN ISO 11612:2015



A1/A2	Limited flamespread (surface/edge)
B1/B2/B3	Heat transfer flame
C1/C2/C3/C4	Heat transfer radiation
D1/D2/D3	Resistance to molten aluminium
E1/E2/E3	Resistance to molten iron
F1/F2/F3	Heat transfer contact heat (250°C)

The higher the performance level, the higher the protection.

Refer to the label in the protective clothing for all the information.

PRODUCT INFORMATION

With the purchase of this item of S-GARD® protective clothing, you have chosen a valuable and carefully manufactured product. Adhere to these instructions for use for your own safety. Keep these instructions for use safe and hand them over together with the product if you pass on the product to another party.

Usage restrictions (risk analysis)

The firefighter's suit is an item of protective clothing for firefighters. It is designed to provide protection for fire fighting and associated tasks. It protects the neck, torso, arms (down to the wrists) and legs (down to the ankles). The protective effect depends on the performance level. For the full protective effect, the protective clothing must always be worn together with supplementary protective equipment (helmet, gloves, boots). The firefighter's suit must not be worn for work with hazardous substances or high-risk deployments. The PPE protects against the risks dealt with by the underlying standards listed here.

Visibility

Protective clothing with reflective material meets the requirements of EN 469:2020 respectively EN 469:2005+A1:2006+AC:2006 for day and night visibility. Any protective equipment worn in addition may be detrimental to visibility.

Thermo-Man test and rain tower test

S-GARD® protective clothing with performance level 2 is subjected to a Thermo-Man test. Protective clothing with GORE-TEX® membrane technology meets the strict specifications of EN 14360:2004 regarding water resistance. Test results are available on request.

Certification

S-GARD® protective clothing is manufactured in accordance with the applicable standards (including EN ISO 13688:2013) and certified by the following institutes:

OETI – Institut für Ökologie, Technik und Innovation GmbH
Spengergasse 20 | A-1050 Wien | Notified Body 0534

Hohenstein Laboratories GmbH & Co. KG
Schlosssteige 1 | D-74357 Boennigheim | Notified Body 0555

DEKRA EXAM GmbH
Dinnendahlstrasse 9 | D-44809 Bochum | Notified Body 0185

ÖP - Öffentliche Prüfstelle für das Textilwesen der Hochschule Niederrhein GmbH
Richard-Wagner-Straße 97 | D-41065 Mönchengladbach | Notified Body 2762

STFI - Sächsisches Textilforschungsinstitut e.V.
Annaberger Straße 240 | D-44809 Bochum | Notified Body 0185

Declaration of conformity

The protective clothing meets the requirements of the following European standards:

- EN 469:2020 – Protective clothing for firefighters – Performance requirements for protective clothing for firefighting
- EN 469:2005 – Protective clothing for firefighters – Performance requirements for protective clothing for firefighting
- EN 1149-5:2018 – Protective clothing – Electrostatic properties – Part 5: Material performance and design requirements
- EN 1149-5:2008 – Protective clothing – Electrostatic properties – Part 5: Material performance and design requirements
- EN 11612:2015 - Protective clothing against heat and flame
- EN ISO 13688:2013 – Protective clothing – General requirements

A product-specific declaration of conformity can be downloaded from the S-GARD® homepage (www.s-gard.de).

FOR YOUR SAFETY



Health hazard from contaminated protective clothing!

- In case of contact with chemicals or combustible liquids during use, immediately leave the danger area and remove the protective clothing.
- Clean protective clothing immediately after use if it is contaminated with fire smoke, bodily fluids, pathogenic contaminants or harmful substances.
- Wear protective gloves and a face mask for taking off and cleaning.
- If the contamination cannot be removed, replace the protective clothing.

Health risk from heat stress!

- Do not wear protective clothing for an unnecessarily long time when exposed to permanent heat (fire, summer heat).

Risk of injury from electrostatic discharge!

- Always wear anti-static footwear together with anti-static protective clothing.
- Never take off anti-static protective clothing in an explosive or combustible atmosphere or when dealing with the respective substances.
- Only wear anti-static protective clothing in an oxygen-enriched atmosphere when instructed to do so by the Safety Officer.

Risk of injury from incomplete or unsuitable protective clothing!

- Adhere to the risk analysis for the selection of suitable protective clothing and their required performance level.
- For full protection, put on full protective clothing: Jacket and trousers, hand protection, foot protection and respiratory protection.

Risk of injury from incorrectly worn protective clothing!

- Only wear protective clothing which is suitable for your height.
- Close the jacket and trousers completely.
- Do not turn up the sleeves or trouser hems.
- Keep pockets closed during deployment. Do not insert the cover flaps into the pockets.

Loss of protective function as a result of damage or improper repairs!

- Never wear damaged protective clothing.
- Only have repairs carried out by the manufacturer or at authorised service points.

Loss of protective function as a result of modification!

- Do not make any modifications to the protective clothing, in particular, do not attach any badges or additional labels.

Loss of the protective function as a result of soiling and improper cleaning after re-impregnation!

- Do not store protective clothing in a soiled condition.
- Clean protective clothing regularly.
- Have protective clothing cleaned by trained specialist staff only. Do not clean in the private household.
- Adhere to the washing and care symbols on the label.
- Only use special cleaning agents for firefighter's clothing. Do not use commercially available domestic washing powder and detergents. Do not use softeners or whitening agents.
- Never wash together with combustible materials.
- Do not attach wash labels.
- Do not use a tunnel dryer.
- Check the impregnation before each wash using a spray test and re-apply impregnation as necessary. Always refresh the impregnation after chemical cleaning.
- Do not iron over reflective strips.

Loss of protective function as a result of ageing!

- Clean soiled protective clothing after use in accordance with the specifications on the care label.
- Protective clothing should be checked after use so that it is in ready-to-use condition prior to next use.
- After use, and once it has been cleaned, inspect protective clothing visually for signs of wear, ageing and damage (discolouration, holes, cracks, separation, brittleness, contamination, damaged or worn reflective material)
- If any of these signs are present, have the clothing professionally repaired immediately or, if necessary, replace it.

TRANSPORTATION AND STORAGE

Transportation

The protective clothing is supplied in a polybag.

Use suitable transport bags if you wish to transport the protective clothing.

Storing

Store the S-GARD® protective clothing in the following conditions:

- protected from environmental influences
- protected from light

USE

Inspections before putting on

Before use, make sure that the following prerequisites for safe use have been met:

- All the closures are fully functional.
- The protective clothing shows no signs of damage or heavy soiling.
- The protective clothing is dry and turned out.
- The protective clothing is suitable for your height.

Putting on

1. Put on the protective clothing.
2. Close all closures as per the figure on page 2 (collar, front closure, sleeves, trouser hem).
3. Make sure that the following requirements have been met:
 - The protective clothing is not too close-fitting and not too loose.
 - Where protection is provided by a two piece suit, it shall be determined that an overlap between the jacket and trousers shall always be retained, whilst raising both hands fully above the head and bending over from an upright position until fingertips reach the ground without bending the knees. The wrists and ankles shall remain covered, when wearing appropriate sized clothing in an upright position.
4. Put on supplementary protective clothing.



Refer to the separate product instructions for information on use of the restraint and rescue belt (IRS) which is integrated into the protective clothing.

CARE AND CLEANING

Preparing for cleaning

1. Empty the pockets.
2. Close hook and eye fastenings, buttons and zip fasteners and, if necessary, use S-GARD® wash protector.
3. Remove any snap hooks, pendants or other metal parts.
4. Remove any removable accessories.
5. Set the width adjustments to maximum width.

Pre-cleaning soiled protective clothing

1. Wash off reflective strips with a damp sponge.
2. Pre-treat adhered soiling with a prewash.

Attaching the S-GARD® wash protector

1. Place the protective jacket on a flat surface with the back facing down.
2. Open the zip fastener.
3. Lay the left-hand half of the zip fastener outwards.

4. Attach the left-hand wash protector (L) to the corresponding hook and eye fastener areas provided on the left-hand half of the zip fastener so that the zip fastener is covered and the wash protector sticks. The label of the wash protector must face upwards (see figure 1 on page 3).
5. Attach the right-hand wash protector (R) to the corresponding hook and eye fastener areas on the right-hand half of the zip fastener. The label of the wash protector must face upwards (see figure 1 on page 3).
6. Lay the right-hand half of the zip fastener outwards.
7. Place the turned-down side of the wash protector on the corresponding hook and eye fastener areas so that the zip fastener is covered and the wash protector sticks (see figure 2 on page 3).

Cleaning

1. Adhere to the washing and care symbols on the label of the protective clothing.
2. Wash the protective clothing in accordance with the label.



Contaminated protective clothing requires special cleaning:

- In case of contamination from oil, grease, fuel or other harmful substances, use chemical cleaning methods.

3. Dry protective clothing once turned inside out, and a second time turned outwards, in accordance with the label. Repeat the process if the protective clothing is not dry.
4. If necessary, iron the protective clothing in accordance with the label.

Re-impregnation

Protective clothing has to be re-impregnated periodically because dirt, water and chemical resistance properties deteriorate with use.

The frequency of re-impregnation depends on the intensity of use of the clothing. Re-impregnation is usually useful and necessary after 3 – 5 washing and drying cycles, or after 30 washing and drying cycles for outer materials with a semi-permanent impregnation.

1. Check the impregnation with a spray test. If the water is absorbed into the fabric and does not drip off, re-apply the impregnation.
2. Re-impregnate chemically cleaned protective clothing after each cleaning cycle.



***Refer to the separate guidelines for detailed information on care.
Refer to the respective product instructions for information on care of accessories.***

REPAIRS

If your protective clothing is damaged, it will need to be repaired properly. Contact our in-house S-GARD® repair service or our authorised service partner if you require repairs. We assume no liability for improperly performed repairs.

DISPOSAL

S-GARD® protective clothing does not contain any environmentally hazardous materials. Dispose of the protective clothing at the end of its service life, or if it is damaged, in accordance with the local regulations for textiles.

Dispose of the polybag as recyclable plastic.

CAUTION Environmental hazard!

- Dispose of contaminated protective clothing as special waste or have it disposed of by a specialist disposal company.

