



S-GARD

UNITED FOR SAFETY

INTERSCHUTZ

2022



TO THE TEAM



THANK YOU FOR YOUR DEDICATION

We would like to express our gratitude for your continuous commitment. Be it fire or rescue services, you are always there when you're needed.

But this is only possible with a strong team. Your way of life is determined by camaraderie, reliability and a willingness to – quite literally in some cases – go through fire to help others.

It is this team spirit that we have in common. We are there for you to make sure that you are optimally prepared for and protected against risks in the best possible way. We protect you. We are your partner – UNITED FOR SAFETY.

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Dear firefighters and rescue workers

Some say society is falling apart because it consists only of egoists. But to be honest, we see things completely differently. The worldview above never had a chance of influencing the way we think and the way we work – and it never will.

No matter what challenging scenario of the future you look at – digitalization, natural disasters, new dangers – the only solution is that we stick together and not work against each other. We can only overcome those future challenges if we see everyone as important, we tackle challenges together and we celebrate our common successes together.

From practice drills to real emergencies, the following always applies; camaraderie, reliability and the willingness to quite literally go through fire for others are the very lifeblood of every fire service and what drive every member of these. This team spirit unites us. We can take on the future together.

– UNITED FOR SAFETY

We hope you enjoy reading the catalog!

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We are there for you
Our dedication to your safety. That's S-GARD!

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Fall protection in just 30 seconds
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Our soot particle shielding protects you against contamination

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Assuming responsibility
Facing the future with sustainable commitment

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Our research for your future
How we develop stationwear for the future

Windproof meets freedom of movement
Functional duty clothing with clear advantages

Born out of necessity
How our SWANGARD rescue vest revolutionizes the rescue of persons



Properly maintained operational hygiene
How you can prevent contamination and take proper care of your PPE

The right membrane for your needs
Overview of membranes used by us

SAFETYTOUR
Your professional education and advanced training provider: S-GARD

At the ready for you
Supporting you with our range of services

Overview matrix
All S-GARD product highlights at a glance

WE ARE THERE FOR YOU

We work to ensure your safety



HIGH-END PROTECTIVE CLOTHING

Your safety is what drives us. We provide high-quality protective clothing to make sure that you can feel safe and are optimally protected in extreme situations. We develop stationwear that provides reliable protection against extreme heat, water, and toxic substances – and have been doing this for more than 130 years.

RELIABLE PARTNERS

From zips to membranes, we place great value on using top-quality brands when it comes to our protective clothing. For years now, we have been collaborating closely with qualified brand partners, including GORE®, DuPont™, PBI®, 3M, and Hainsworth®.



RESEARCH AND DEVELOPMENT

We are constantly improving technologies, materials and equipment features. For this, we work closely with experienced firefighters and rescue workers, as well as with textile and clothing experts. We also participate in standards committees and research projects, and actively contribute to the development of protection and quality standards.

SERVICES THAT GO WELL BEYOND SALES

We see ourselves as an all-round partner – and so our services extend to the maintenance, cleaning, and repair of your protective clothing. Our experienced staff can provide after-sales services any time you need. We also work with selected dry cleaners to ensure perfect care of your stationwear.



EDUCATION AND TRAINING

In the form of our SAFETYTOUR, we provide up-to-date education and further training in which we employ a wide variety of teaching methods. Whether you are looking for station-based workshops, senior officer dialog sessions or 'Best Of' events: Gain new expertise and solid skills during a fascinating instruction session.

Life insurance during turnouts

Why your turnout gear is so important

Personal protective equipment (PPE) is your most important work tool. Because only with efficient PPE do you have power to act. The right clothing can often be a life insurance for firefighters during deployments. This is why flameproof clothing must be capable of a wide range of functions and withstand all sorts of stresses.



The minimum requirements for the design of turnout gear are set out in the EN 469 standard ("Protective clothing for firefighters – Performance requirements for protective clothing for firefighting"). Clothing that complies with this standard is suitable for firefighting operations associated with exposure to heat and flames, but it also provides protection against other risks such as chemicals and the risk of being insufficiently visible. Our highstandards with regard to the materials ensure that constant protection is provided.

Turnout gear is your most important equipment. In extreme situations in particular, it is your personal protection against life-threatening dangers!



FOR YOUR FIREFIGHTING
OPERATIONS
TURNOUT GEAR

- ULTIMATE
- HERO 2.0
- SWISSGARD 2.0
- HUNTER 2.0
- SWISSHUNTER 2.0
- DYNAMATE PLUS
- ADVANCE PROGRESS
- BASIC PLUS

ULTIMATE SERIES

DEVELOPED FOR
EXTREME SITUATIONS



Chest pocket,
radio-compatible

Holder for an
angle-head flashlight

NEW: Segmented
reflective strips

External
shoulder protectors

Ergonomically shaped
collar with chin protection
tab Heat Seal design

Tool pocket on
left upper arm

Waterproof multigrip
front closure

Cargo pockets with
snap-hook loops and
Load Control System

Knitted cuffs with
ITC system

gold/black blue

ULTIMATE JACKET

EN 469:Class 2

To ensure maximum protection and comfort during your deployments, we make use of numerous technologies: For the ULTIMATE, cutting-edge material developments are combined with highly functional features and a sporty cut that offers great freedom of movement.

- MOVE+3D freedom of movement with High Reach sleeve design
- Ergonomically angled S-pocket design
- Body-language reflective strips
- PRX9000 technology in the shoulder area (not for GORE® PARALLON™ system)
- IRS-ready: DTS pocket, tunnel, tool loop on left
- Two chest pockets, radio-compatible
- Reinforced/extended grips on front pockets and adjusting elements
- Napoleon pocket
- Reinforced cuff hems
- Segmented reflective strips: hard-wearing and enhanced flexibility

MAXIMUM PROTECTION,
SUPREME FREEDOM
OF MOVEMENT

EN 469:Class 2

ULTIMATE PANTS

- Integrated comfort suspender system
- Padded knee area with PRX9000 technology
- Two cargo pockets with Load Control System
- Ergonomically angled S-pocket design
- Boot lock hook for joining pants and boots together
- MOVE+3D freedom of movement with Leg Mobility design and preformed sections
- PRX9000 technology on the rear flap (not for GORE® PARALLON™ system)
- Access gusset and side placket
- Two reach-through openings with pocket pouches



ULTIMATE DESIGNS



- Material variants:
- | | |
|---|-----------------|
| DuPont™ Nomex® TITAN/GORE® PARALLON™ system | gold/black blue |
| DuPont™ Nomex® TITAN/AIRLOCK® | gold/black blue |
| DuPont™ Nomex® TITAN/Fireblocker | gold/black blue |



- gold/black blue
- Material variants:
- | | |
|---|-----------------|
| DuPont™ Nomex® TITAN/GORE® PARALLON™ system | gold/black blue |
| DuPont™ Nomex® TITAN/AIRLOCK® | gold/black blue |
| DuPont™ Nomex® TITAN/Fireblocker | gold/black blue |





HERO 2.0 JACKET

State-of-the-art materials and a practical design make the HERO 2.0 a reliable companion for firefighters, even during interior deployments requiring the use of breathing apparatus.

- MOVE+ freedom of movement with High Reach sleeve design
- PRX9000 technology in the shoulder area
- IRS-ready: DTS pocket, tunnel, tool loop on left
- Two height-adjustable radio pockets with flashlight holder
- Reinforced/extended grips on front pockets and adjusting elements
- Segmented reflective strips: hard-wearing and enhanced flexibility

EN 469:Class 2



black blue

Material variants:
DuPont™ Nomex® TITAN/AIRLOCK® gold/black blue
DuPont™ Nomex® Tough/AIRLOCK® black blue

BEST INSULATION WITH FREEDOM OF MOVEMENT



black blue

EN 469:Class 2

HERO 2.0 PANTS

- Integrated comfort suspender system
- MOVE+ freedom of movement
- PRX9000 technology on rear flap
- Access gusset and side placket
- Reinforced/extended grips on cargo pockets and adjusting elements
- Two reach-through openings with pocket pouches

Material variants:
DuPont™ Nomex® TITAN/AIRLOCK® gold/black blue
DuPont™ Nomex® Tough/AIRLOCK® black blue





SWISSGARD 2.0 JACKET

EN 469:Class 2

- Reliable protection and high visibility combined with a lightweight, comfortable layered design.
- Two loops with D-rings beneath the chest pocket flaps
 - Body-language reflective strips
 - MOVE+ freedom of movement with High Reach sleeve design
 - IRS-ready: DTS pocket, tunnel, tool loop on left
 - Two chest pockets, height-adjustable and radio-compatible
 - Reinforced/extended grips on front pockets and adjusting elements
 - Napoleon pocket
 - Reinforced cuff hems
 - Segmented reflective strips: hard-wearing and enhanced flexibility

Material variants:

DuPont™ Nomex® RSK/Fireblocker black blue
DuPont™ Nomex® RSK/Fireblocker red/black blue

HUNTER 2.0 JACKET

EN 469:Class 2

- Maximum safety and superb comfort matched with a cool look.
- Tool pocket on the left upper arm
 - Two loops with D-rings beneath the chest pocket flaps
 - MOVE+ freedom of movement with High Reach sleeve design
 - IRS-ready: DTS pocket, tunnel, tool loop on left
 - Two chest pockets, height-adjustable and radio-compatible
 - 3D-Shield elbow padding made of PRX-Airflow with CeraHex abrasion protection
 - Napoleon pocket
 - Shoulder area with aramid fleece padding
 - Reinforced cuff hems
 - Segmented reflective strips: hard-wearing and enhanced flexibility

Material variants:
DuPont™ Nomex® RSK/Fireblocker black blue/red



black blue

EN 469:Class 2

SWISSHUNTER 2.0 PANTS

- Integrated comfort suspender system
- MOVE+ freedom of movement
- PRX AIRFLOW system on the rear flap
- Access gusset and side placket
- Reinforced/extended grips on cargo pockets and adjusting elements
- Pre-shaped leg hem with heel cutout
- Knee area with PRX AIRFLOW technology
- Two reach-through openings with pocket pouches
- Reinforced leg cuff edges

Material variants:

DuPont™ Nomex® RSK/Fireblocker black blue
DuPont™ Nomex® RSK/Fireblocker red



Knife pocket

IMPROVED VISIBILITY FOR ENHANCED PROTECTION

- NEW: PRX AIRFLOW technology in the preformed knee area
- Reinforced inner leg
- Access gusset with cover strip

Protected during deployments

Why our DTS/IRS system meets all the requirements of German Social Accident Insurance (DGUV FBFHB)

The German Fire Service Duty Regulation FwDV 1 “Primary duties for firefighting and rescue operations” specifies that the firefighter safety belt must form part of your PPE in firefighting and rescue operations. It will help you secure yourself in an emergency. We have developed our DTS/IRS rescue system for use in these situations. This makes it easier for you not only to secure yourself but also to rescue others.



The integrated rescue and restraint sling – IRS – can be used for secure support and restraint, rescue of firefighting personnel in need, and self-rescue by abseiling in the case of an emergency. Our IRS can therefore replace the firefighter safety belt required per the DIN 14927 standard when it comes to all operations per FwDV 1.

The main advantage of our system compared to the firefighter safety belt is that the center of gravity is at chest height; in other words, far above the body’s center of gravity. This means that the body cannot tip sideways or backwards. And when pulling and carrying a colleague in need from a danger zone, the high point of contact also offers advantages in terms of power.



ADVANTAGES OF OUR DTS/IRS RESCUE SYSTEM

The IRS is an integrated part of the firejacket and therefore can always be quickly deployed. All you need do is open the depot pocket – DTS – and pull out the fastener. You can also rely on its practical ease of use if you should ever be in danger and need rescuing.

If the IRS is stored correctly in the deployment jacket, there is no danger of snagging. It is also more comfortable to wear because it weighs less than the firefighter safety belt. And it is hardly noticeable during physical activity. Another advantage is that you can adjust the system according to the wearer’s body size. This makes the DTS/IRS system by S-GARD one of the best systems on the market.

Operational readiness of our system is guaranteed as soon as you put on your PPE: Close the Q-lock, check functioning, and you’re ready to go. The risk of incorrect use is almost completely eliminated. Naturally we also providedetailed training before first use – which then ensures safety during utilization.

The DGUV IR checklist

In their information sheet No. 04 dated May 2015, the German Social Accident Insurance DGUV published a checklist for integrated rescue systems. S-GARD meets all the requirements:

- ☒ Does the system function in accordance with FwDV 1?
- ☒ Do the belts for positioning (holding) and restraint meet the EN 358 standard “Lanyards and fasteners for safety belts”?
- ☒ Has the turnout jacket been tested in accordance with EN 469 together with the integrated belt?
- ☒ Does the IRS comply with EN 1498 “Rescue loops”?
- ☒ Is fast, easy operation of the system guaranteed?
- ☒ Are there instructions on how to use the DTS/IRS system?
- ☒ Is the system protected against exposure to high temperatures?

We have already integrated the DTS/IRS system in the jackets in the ULTIMATE, HERO, HUNTER, DYNAMATE PLUS and SWISSGARD series.

Fall protection in just 30 seconds

S-GARD CONNECT: This development of the IRS QLOCK makes it into a fully-fledged safety harness that complies with the EN 361 standard

To protect themselves against dangerous falls, firefighters are often forced to rely on their existing fall protection equipment. Unfortunately this often leads to problems in practice: Harnesses aren't always available in every emergency vehicle and can only be put on quickly and safely if you have experience with them. S-GARD CONNECT solves both of those problems: We have combined the existing IRS QLOCK with a waist and thigh belt, which makes this into a complete fall protection system in accordance with EN 361.



WAIST BELT

THIGH BELT



INNOVATIVE HARNESS SYSTEM FOR QUICK FALL PROTECTION

In many everyday firefighting situations, regulations require that personal protective equipment designed to prevent falls from a height that complies with the stipulations of EN 361 must be worn. For example, so that safety is ensured during the presence of firefighters in a turntable ladder cage.

S-GARD CONNECT makes fall protection particularly quick and easy. The new harness system is intuitively combined in the turnout jacket with the IRS QLOCK. That means the PPE is ready for use in just 30 seconds – without making it difficult or time-consuming to don the harness.

Here's how it works. The wearer puts on the belt with fastener. Then they place the leg loops on the ground and stand with both legs in them. After the leg loops have been pulled up and connected to the harness fastener, the fastener can be attached to the integrated shackle of the IRS QLOCK. And the complete harness for fall protection is ready to go.

S-GARD CONNECT – ADVANTAGES AT A GLANCE

- Intuitive: Easy to put on and with a little practice this can be done in just 30 seconds.
- Compatible: Existing turnout jackets with the IRS QLOCK can still be used. No new pants required.
- Easy inspection: Since the system is not incorporated in the turnout jacket and pants, it is easy to inspect and clean.
- Patented: S-GARD CONNECT is an innovative type of PPE patented by S-GARD.



Improved functioning of the IRS QLOCK in the form of the new S-GARD CONNECT



The waist and thigh belts can be rapidly fastened



DYNAMATE PLUS JACKET

EN 469:Class 2

- Reliable protection without compromises: The DYNAMATE PLUS is extremely comfortable to wear and equipped with all important details – plus it's really lightweight.
- MOVE+ freedom of movement with High Reach sleeve design
 - PRX9000 technology in the shoulder area
 - IRS-ready: DTS pocket, tunnel, tool loop on left
 - Two height-adjustable radio pockets with flashlight holder
 - Reinforced/extended grips on cargo pockets and adjusting elements
 - Segmented reflective strips: hard-wearing and enhanced flexibility

Material variants:
DuPont™ Nomex® TITAN / GORE® PARALLON™ 500 gold/black blue
DuPont™ Nomex® TITAN/Fireblocker black blue
DuPont™ Nomex® TITAN/Fireblocker gold/black blue

International variant:
PBI®/Fireblocker gold/black blue



EN 469:Class 2

DYNAMATE PLUS PANTS

- With removable comfort suspenders
- MOVE+ freedom of movement
- Two reach-through openings with pocket pouches

Material variants:
DuPont™ Nomex® TITAN / GORE® PARALLON™ 500 gold/black blue
DuPont™ Nomex® TITAN/Fireblocker black blue
DuPont™ Nomex® TITAN/Fireblocker gold/black blue

International variant:
PBI®/Fireblocker gold/black blue

A PROTECTIVE SUIT FOR ALL EVENTUALITIES



black blue

ADVANCE PROGRESS JACKET

EN 469:Class 2

The layered structure featuring GORE-TEX/Fireblocker membrane together with an exceptionally lightweight textile insulation layer ensures comfort and superior protection.

- Two chest pockets, height-adjustable and radio-compatible
- Knitted cuffs with ITC system
- Shoulder area with padding
- Segmented reflective strips: hard-wearing and enhanced flexibility
- Extended back section



gold

Material variants:
DuPont™ Nomex® Tough/Fireblocker _____ black blue
DuPont™ Nomex® NXT/Fireblocker _____ gold

LIGHTWEIGHT LAYER
CONSTRUCTION, SAFE AND
RELIABLE FEATURES



gold

EN 469:Class 2

ADVANCE PROGRESS PANTS

- Integrated comfort suspender system
- MOVE+ freedom of movement
- Two reach-through openings with pocket pouches
- Reinforced leg cuff edges

Material variants:
DuPont™ Nomex® Tough/Fireblocker _____ black blue
DuPont™ Nomex® NXT/Fireblocker _____ gold



black blue

Kidney protection

Knee area with padding

Leg width adjustment



BASIC PLUS JACKET

EN 469:Class 2

Practical features coupled with high-quality workmanship – an unbeatable combination that will go on protecting you over the long term.

- Segmented reflective strips: hard-wearing and enhanced flexibility

Material variants:
DuPont™ Nomex® Tough/Sigmatex _____ black blue

HIGH QUALITY OF WORK-
MANSHIP MEETS EVERY
NEED OF SERVICE ROUTINE



EN 469:Class 2

BASIC PLUS PANTS

- Removable suspenders
- MOVE+ freedom of movement
- Two reach-through openings without pocket pouches

Material variants:
DuPont™ Nomex® Tough/Sigmatex _____ black blue

Effective protection against particulate emissions

Our soot particle shielding protects you against contamination

Smoke particles develop at every fire. These can enter clothing during a deployment – through even the smallest openings in the head area, the sleeves, the waistband, and the pant legs. If the toxic particles come into contact with the skin unnoticed, they can enter the pores that have been dilated due to the heat and then make their way into the body. It is important to avoid this contamination – by way of our soot particle shielding.

The question that we also ask ourselves when developing our protective clothing is: How can we shield the body even better without causing heat to be trapped? Our answer is our soot particle shielding system.

We use a Flameliner concept for our pant and sleeve cuffs. Protective clothing incorporating this laminate is easy to put on and take off, and feels very pleasant on the skin. Together with our fireproof equipment, this clothing guarantees you protection per EN 469 Level 2 – without the need for an additional insulating layer.



SECURE CLOSURE – PERFECT FIT

We integrate our soot particle shielding system into our pants **in the form of internal gaiters**. This means that your legs are completely protected during deployments. The gaiters can be integrated in all our pant models on request.



On request, we can integrate our particulate protection system in our turnout jackets **in the form of a skirt**. This particulate protection is made of DuPont™ Nomex® Nano, and is breathable and flexible.



S-GARD cuffs made of DuPont™ Nomex® special knitwear safely seal off your jacket's sleeves. You can also use the **"Individual Thumb Control" (ITC) system** to adjust the thumb opening to suit your hand size. And the knitted cuffs are also sealed off towards the inside using Flameliner material.



THE PERFECT ADD-ON: FLAME PROTECTION HOODS

It can get very hot in the head region during firefighting. Pores open wide, sweat collects on the neck, and the absorption capacity of the skin is increased. Helmet and mask protect a large part of the head. The rest is protected by our Nano flame protection hood with DuPont™ Nomex® Nano technology.

A hood that reliably protects the wearer against smoke gas particles and is still extremely comfortable: The S-GARD Nano flame protection hood acts as a reliable barrier against particle ingress and securely covers unprotected sections. So it offers quick, easy yet very effective protection against particulate emissions and should be a component of all protective equipment. It is the perfect addition to stationwear, firefighter helmet and respirator. You can find more information on page 74.



You can find more information about contamination and operational hygiene from page 76 onwards.

Wildland fires – the new challenge

Fighting forest fires with the S-GARD RANGER

Turnouts to fight forest fires occur not infrequently in countries with hot and arid climates. But wildfire deployments are becoming more frequent in our latitudes as well. This is because forests and other natural areas have changed considerably as a result of the impact of humans and climate change. Increasing periods of drought will mean an increase in forest and wildland fires. This new challenge means many fire services now encounter exceptional difficulties.

Special skills will be needed to respond better in extreme situations like this in the future. In addition, the technology used must be suitable for the difficult conditions. This applies to the water supply and tools – but also to protective equipment. The demands placed on protective clothing used in wildfire situations differ significantly compared with fighting fires in buildings. When you are dispatched to fight a forest fire you are exposed to very high temperatures over several hours. But there is a lower risk of coming into direct contact with flames. A far greater problem is that you need to protect yourself against flying embers.



The RANGER series features highly functional, reliable protective clothing that meets the special demands of fighting forest and wild-land fires. The protective suits are lightweight, extremely breath-able and provide plenty of freedom of movement. Sweat and body heat can therefore escape at a faster rate. A special coating ensures extremely high abrasion resistance and means that it is possible to do away with doubling up on material in the high-stress zones. This makes the clothing lighter and more comfortable – so you can work more efficiently and are optimally protected against overheating when fighting outdoor fires.



FOR YOUR SPECIAL
OPERATIONS
**SPECIALIZED
CLOTHING**

- RANGER 2.0
- RANGER LITE
- SKYGARD
- SKYLITE
- CORSAIR

RANGER SERIES

EXPERTS FOR
WILDLAND FIREFIGHTING



High stand-up collar
with chin protector

Angled chest pocket
with holder for
angle-head flashlight

Napoleon pocket with
covered zip

Segmented
reflective strips

Adjustable
sleeve width

Height-adjustable
radio pocket
(MAXFLEX)



yellow/black blue

RANGER 2.0 JACKET

EN 15614:A1
EN ISO 11612

The RANGER 2.0 offers excellent protection, outstanding freedom of movement and extremely high breathability.

- Arms-up design
- Napoleon pocket
- Right inside pocket
- Stretch zones under the arms
- Shorter front and longer back section
- Breathable reinforcements
- Ventilation openings



black blue/red

Material variants:

DuPont™ Nomex®/Kevlar®/
new wool/Lenzing yellow/black blue
DuPont™ Nomex®/Kevlar®/
new wool/Lenzing black blue/red

TWO-PIECE OR OVERALL?
RANGER 2.0 CAN DO BOTH



black blue/red

EN 15614:A1
EN ISO 11612

RANGER 2.0 WAISTBAND PANTS

- Six belt loops
- Zipped inner pocket
- Two zipped side pockets
- Two cargo pockets
- Stretch zones in knee, seat and crotch areas
- Breathable reinforcements
- Ventilation openings

Material variants:
DuPont™ Nomex®/Kevlar®/
new wool/Lenzing _____ yellow/black blue
DuPont™ Nomex®/Kevlar®/
new wool/Lenzing _____ black blue/red



yellow/black blue



RANGER LITE JACKET

EN 15614:A1
EN ISO 11612

Extremely lightweight and breathable – for firefighting in open terrain.

- Microphone holder on both sides
- MOVE+3D ease of movement with High Reach sleeve design
- Zip for connecting jacket and pants
- Shorter front and longer back section

Material variants:
Cotton modacrylic _____ black blue/red

RANGER LITE PANTS

EN 15614:A1
EN ISO 11612

- Six belt loops
- Covered back pocket
- Two covered side pockets
- Two cargo pockets
- Velcro fasteners
- Zip for connecting jacket and pants

Material variants:
Cotton modacrylic _____ black blue/red



Helmet-compatible storm hood

High-closure collar

Chest pocket

Underarm ventilation opening

Connecting zip

Waterproof cargo pocket with fastening loops

red/fluorescent yellow

EN 343
Class 3/3

SKYGARD JACKET

Complete weather protection and superb wearing comfort for difficult working conditions during high altitude rescue operations.

- Waterproof, helmet-compatible storm hood with peak, visual field and fit adjustment integrated in the stand-up collar
- Two angled breast pockets with optimized access angle
- Four waterproof cargo pockets on the sleeve with integrated fastening loops
- Ventilation zips underneath the arms
- Water-protection gaiters on the sleeve hem
- Contoured reflective strips

Material variants:
GORE-TEX 2-ply laminate red/fluorescent yellow



red/fluorescent yellow

EN 343
Class 3/3

SKYGARD PANTS

- Internal connecting system for jackets and pants
- Two cargo pockets at calf height
- Elastic, removable Y-suspenders
- Water-protection gaiters on the leg hem
- Knee pocket made of Kevlar® with PRX9000
- Boot lock hooks in hems

Material variants:
GORE-TEX 2-ply laminate red/fluorescent yellow



Ventilation zips

Helmet-compatible hood

red/fluorescent yellow

SKYLITE JACKET

Optimal climate control and superior comfort in difficult rescue operations and when working at great heights.

- Stretch zones on back, sleeves and sides
- Ventilation zips
- Hood with peak, visual field and fit adjustment integrated into the stand-up collar
- Four cargo pockets on the sleeve with integrated fastening loops
- Two angled breast pockets

Material variants:
DURAGARD red/fluorescent yellow



red/fluorescent yellow

SKYLITE PANTS

- Internal connecting system for jacket and pants
- Stretch zones on the sides, seat and knees
- Elastic, removable Y-suspenders
- Two front slot pockets
- Knee pocket made of Kevlar® with PRX9000
- Boot lock hooks in hems

Material variants:
DURAGARD red/fluorescent yellow

Ready for any deployment

What makes the S-GARD CORSAIR a true all-rounder in the world of protective clothing

From firefighting to technical assistance deployments, the daily challenges facing fire departments are very diverse indeed. Each scenario has its own requirements – not just when it comes to firefighters but when it comes to their protective equipment as well. For a long time, firefighters have relied on their turnout gear that complies with standards such as the German production and testing regulations for protective clothing (HuPF) as one-size-fits-all solutions as it were. But that gear is specially designed for firefighting in enclosed spaces and makes operations in other areas more difficult. The high level of insulation, for example, means firefighters quickly reach performance limits during other forms of deployment.

Because of this there is now a wide range of international standards that apply to protective clothing, each adapted to the scenarios in which the equipment is used. Our GORE-TEX PYRAD® suit S-GARD CORSAIR was developed specifically for firefighting operations out of doors and conforms to a whole range of these regulations. Despite high-end technical features it is still thin and lightweight, which makes it perfect for use as a simple work uniform.



TECHNICAL FEATURES OF A SUIT THAT COMPLIES WITH A WHOLE RANGE OF STANDARDS

In accordance with Level 1 of EN 469, the CORSAIR is suitable for outdoor firefighting as well as related support activities. That standard also stipulates requirements for the visibility of the clothing. The CORSAIR jacket alone meets those requirements, which means emergency personnel can be readily seen even when visibility is limited. In addition, the jacket provides effective protection against heat and flames in accordance with EN ISO 11612 and is both waterproof and breathable per EN 343. In particular, the elastic GORE-TEX CROSSTECH® Pyrad Stretch material ensures not only comfort but also full weather protection during deployments.

AN OVERVIEW OF STANDARD COMPLIANCE

- EN 469:Level 1
- EN ISO 14116 and EN ISO 11612
- EN 343
- EN ISO 16689
- ISO 16604 Surface and cross-stitching, after disinfecting wash cycles per German Accident Insurance (DGUV) Rule 105-003



The CORSAIR is also ideal for scenarios that do not involve firefighting. As it is EN ISO 16689-compliant, it reliably meets the requirements of technical rescue missions. In addition, the GORE-TEX PYRAD® suit protects against contact with blood and bodily fluids and thus effectively safeguards personnel against infection with blood-borne pathogens (ISO 16604).



Detachable hood



Side zip



Upper arm pocket



Cargo pocket

ASSUMING RESPONSIBILITY

Facing the future with sustainable commitment

Society puts a tremendous amount of trust in its fire and rescue services to do the right thing when it comes to protecting people and the environment. We at S-GARD understand and live up to these expectations. Sustainability has long been one of our guiding considerations. As a family-run company, we see corporate responsibility as an essential. With this in mind, we've set ourselves the goals of being more than just a leader in the areas of safety, innovation and engineering – we aim to set a new gold standard for the industry in terms of ecological and social sustainability.



IT STARTS WITH THE PRODUCT

We want you to be satisfied with our protective clothing over the long term. That is why we make sure our products conform to the highest quality standards. We use only the highest-quality materials in production, ensuring our garments are durable and effective over the long term. In addition, our materials meet the strict demands of OEKO-TEX® STANDARD 100.

We also offer a repair and maintenance service and gladly assist with cleaning and care to ensure that our products work flawlessly over their long service lives. By the way, our entire development and manufacturing process is compliant with the ISO 9001 quality management system.



FAIR WEAR: SOCIAL RESPONSIBILITY

Safe and healthy working conditions at our production sites matters to us. This drove us to join the Fair Wear Foundation (FWF) back in 2016. The independent, charitable association and its members are committed to improving working conditions in the clothing and textile industry around the world. We routinely review our processes and production sites to ensure compliance with the strictest quality standards.



GOOD FOR THE ENVIRONMENT – GOOD FOR US

Our environmental management system is ISO 14001-compliant, ensuring that we constantly assess and improve the environmental impact of our processes – a long-standing priority in our work. Our facilities in Heinsberg stand out for their very low energy consumption. This includes the rooftop solar panels that actually produce more electricity than we use ourselves.

We have set ourselves ambitious goals for the coming years to further reduce the CO₂ footprint for S-GARD products. This includes reductions in fuel consumption through optimized route planning and retraining our employees to use improved driving practices. We are also redesigning our cartons and packaging. And our offices have gone paperless to reduce the extent of waste produced.

Level 1 or level 2?

The advantages of PPE that meets
EN 469 Class 1 requirements



Picking the right PPE isn't easy. One rule of thumb: The minimum requirements for the design of protective firefighting clothing are set out in the EN 469 standard ("Protective clothing for firefighters – Performance requirements for protective clothing for firefighting"). There are two protection classes – 1 and 2. They are differentiated by the respective degree of protection they offer in four categories: radiated heat, flame protection, waterproofing and resistance to steam permeation.

Protection level 1 is used by the Technical Assistance services and for fire fighting from outside buildings. Level 2 is used for deployments inside burning structures.

Many fire services continue to use PPE Level 2 for all operational scenarios. For the majority of operations, especially in summer, this class of protective clothing is simply far too insulated. Level 1 protective equipment – such as the S-GARD models SARTEC and RESPONER 2.0 and NEW: FLAMESHELL – offer crucial benefits in this regard: They are thinner and lighter. This reduces the risk of heat stress in everyday operations. They are also more affordable – meaning they are also less expensive to replace if used often or in high wear-and-tear situations. PPE Level 2 is then reserved solely for indoor firefighting. In short: **The trend is clearly toward having a second set of PPE.**



FOR YOUR DAY-TO-DAY
TURNOUTS

DUTY GARMENTS

- SARTEC
- RESPONER 2.0
- ATTACK 2.0
- RESCUE LIGHT 2.0
- ENDURANCE
- GARANT
- PROTEAM
- FIRSTGARD FR





SARTEC SERIES

HIGH-PERFORMANCE
PROTECTION

Helmet-compatible,
waterproof hood

Radio pockets

NEW: Segmented
reflective strips

Reinforced grips on
front pockets and
adjustable elements

MOVE+3D
design

Tool pocket

Holder for an
angle-head
flashlight

Stretch zones
around the
elbows

Raised
front section

Knitted cuffs
with ITC system



red/black blue

SARTEC JACKET

EN 469:Class 1

Maximum freedom of movement during technical assistance operations – thanks to the new ergonomic design with special stretch zones and intelligent features.

- MOVE+3D freedom of movement with High Reach sleeve design
- Ergonomically angled S-pocket design
- Cargo pockets with snap-hook loops and Load Control System
- Tool pockets on both upper arms
- Segmented reflective strips: hard-wearing and enhanced flexibility
- Napoleon pocket
- Waterproof multigrip front closure with tab
- Adjusters reinforced with reflective material and operable with gloves on
- Fluorescent yellow/black blue variant conforms to EN ISO 20471 Class 2

ATHLETIC DESIGN FOR
MAXIMUM FLEXIBILITY DURING
RESCUE OPERATIONS

EN 469:Class 1

SARTEC PANTS

- Removable comfort suspenders
- Two cargo pockets with Load Control System
- Ergonomically angled S-pocket design
- Boot lock hook, joins pants and boots
- MOVE+3D freedom of movement with Leg Mobility design and preformed sections
- Reinforced/extended grips on cargo pockets and adjusting elements
- Reinforced leg cuff edges (inner)
- Adjusters reinforced with reflective material and operable with gloves on
- Fluorescent yellow/black blue variant conforms to EN ISO 20471 Class 1



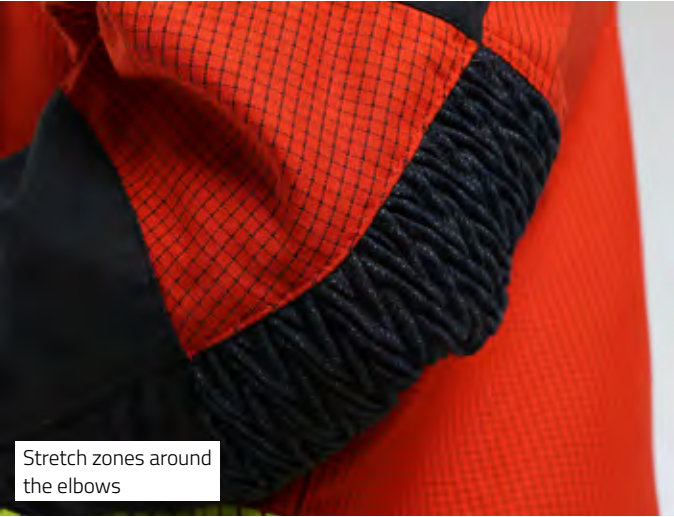
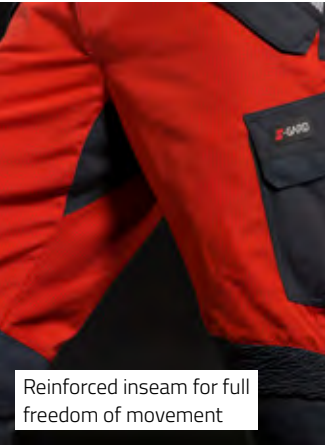
SARTEC MODELS



Material variants:
DuPont™ Nomex® RSK/cotton modacrylic/Flamelinier _____ fluorescent yellow/black blue
DuPont™ Nomex® RSK/Flamelinier _____ red/black blue



Material variants:
DuPont™ Nomex® RSK/cotton modacrylic/Flamelinier _____ fluorescent yellow/black blue
DuPont™ Nomex® RSK/Flamelinier _____ red/black blue





black blue

RESPONSER 2.0 JACKET

EN 469:Class 1

Protection in Technical Assistance operations: The RESPONSER 2.0 jacket supports your work thanks to superb comfort and innovative features.

- MOVE+ sleeve design with pleats at the back for greater ease of movement
- Two patch side pockets with snap-hook loops
- One carabiner
- Two patch radio pockets, both with antenna opening
- Knitted cuffs with ITC system
- One zipped inner pocket
- One inspection opening
- Segmented reflective strips: hard-wearing and enhanced flexibility

Material variants:
DuPont™ Nomex® Tough/Flamelinier _____ black blue



ATTACK 2.0,
black blue

Material variants:
DuPont™ Nomex® Tough/Flamelinier _____ black blue

FOR TECHNICAL ASSISTANCE
OPERATIONS – ROBUST,
LIGHTWEIGHT AND
INTELLIGENTLY DETAILED

EN 469:Class 1

ATTACK 2.0 PANTS

- Integrated comfort suspender system
- Access gusset and cover strip
- Reinforced cuff edges and heel cutout at the bottom of the pre-shaped leg hem
- Padded knee area with PRX9000
- Two reach-through openings with pocket pouches

EN ISO 11612

RESCUE LIGHT 2.0 PANTS

- Knee protectors
- Single-ply design
- Two side pockets
- Wide reinforcements on hem edges



Material variants:
DuPont™ Nomex® Comfort _____ black blue

UNLIMITED FREEDOM
OF MOVEMENT
IN ALL SITUATIONS



black blue



gold

Material variants:
DuPont™ Nomex® viscose Spandex black blue
DuPont™ Nomex® viscose Spandex gold



gold



black blue

ENDURANCE DUTY JACKET

EN ISO 11612

With a perfect cut and many helpful features: ENDURANCE is station wear – re-envisioned.

- Two chest pockets with the left pocket designed as a height-adjustable radio pocket
- Two side pockets with snap-hook loops
- Shorter front and longer back section
- Reinforced elbows
- Adjustable sleeve width
- Segmented reflective strips: hard-wearing and enhanced flexibility
- Optionally without reflective strips

EN ISO 11612

ENDURANCE DUTY PANTS

- Zipped inner pocket
- Two side pockets, right with tool pocket, left with zippered small pocket
- Two thigh pockets with pen pockets
- With extended waistband
- Optionally without reflective strips

Material variants:
DuPont™ Nomex® viscose Spandex black blue
DuPont™ Nomex® viscose Spandex gold

EXTRA-ROBUST AND
DURABLE – FOR EVEN
MORE SAFETY AT WORK



black blue with reflective strips



black blue

Material variants:
DuPont™ Nomex® viscose 300 g _____ black blue
DuPont™ Nomex® viscose 300 g _____ black blue with reflective strips

GARANT DUTY JACKET

EN ISO 11612
HuPF Part 3

Comfortable fit, practical features and a smart look: GARANT is designed for a long service life.

- Shoulder flaps and tunnels
- Two chest pockets with the left pocket designed as a height-adjustable radio pocket
- Two side pockets with the left pocket featuring a snap-hook loop
- Two zipped inner pockets
- Adjustable sleeve width
- Inspection opening
- Optionally without reflective strips and side pockets



black blue

black blue bib pants



black blue with reflective strips

EN ISO 11612
HuPF Part 2

**GARANT
DUTY PANTS**

- Two back pockets
- Two side and bellows pockets on each side
- HIGH-VIS additionally with reinforced knees
- Optionally without reflective strips

Material variants:
DuPont™ Nomex® viscose 300 g _____ black blue
DuPont™ Nomex® viscose 300 g _____ black blue with reflective strips
DuPont™ Nomex® viscose 300 g _____ black blue bib pants with reflective strips

CLASSIC WORK CLOTHES – WITH
OPTIONAL REFLECTIVE STRIPS



black blue



black blue with
reflective strips

black blue

PROTEAM DUTY JACKET

EN ISO 11612
HuPF Part 3

PROTEAM has become a classic favorite during operations for its comfortable fit.

- Two chest pockets with the left pocket designed as a height-adjustable radio pocket
- Two zipped inner pockets
- Adjustable sleeve width
- Inspection opening
- Optionally with reflective strips (based on HuPF Part 1)

Material variants:

KERMEL® viscose _____ black blue
KERMEL® viscose blouson cut _____ black blue
KERMEL® viscose _____ black blue with reflective strips



black blue with
reflective strips



black blue

PROTEAM DUTY PANTS

EN ISO 11612
HuPF Part 2

- Two back pockets
- Two side and bellows pockets on each side
- Optionally with reflective strips

Material variants:

KERMEL® viscose _____ black blue
KERMEL® viscose _____ black blue with reflective strips

THE MOST FLEXIBLE CLOTHING
FOR DAYTIME DUTY



black blue

FIRSTGARD FR DUTY JACKET

EN ISO 11612

High-quality station wear combines sporty comfort with a formal look.

- Two patch breast pockets
- Two side pockets
- Additional radio pocket accessible from the outside
- Inspection opening

Material variants:
DuPont™ Nomex® viscose 265 g black blue



black blue

FIRSTGARD FR DUTY PANTS

EN ISO 11612

- Two back pockets
- Two bellows pockets

Material variants:
DuPont™ Nomex® viscose 265 g black blue

Our research for your future

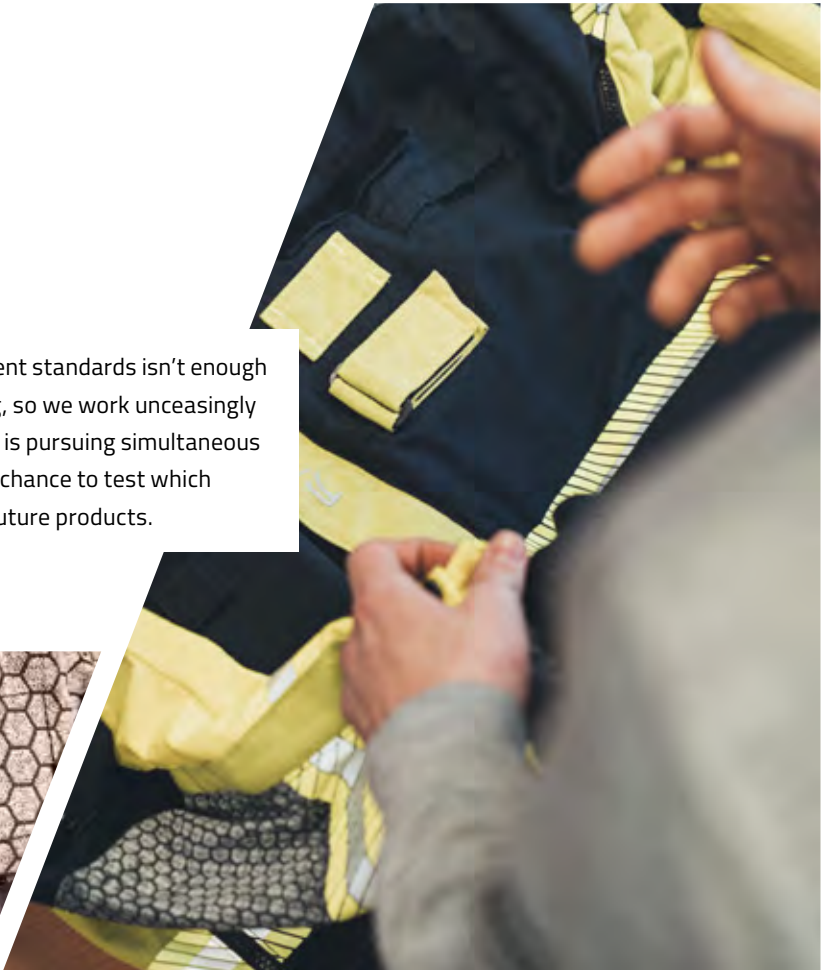
We are developing stationwear for the future. Meeting the current standards isn't enough for us. The work of fire and rescue services is constantly evolving, so we work unceasingly on new product innovations to meet those needs. Our R&D team is pursuing simultaneous several promising research projects. These projects offer a good chance to test which technologies truly work – so that they can be incorporated into future products.

Sponsored by the:



Federal Ministry of the Interior, Building and Community

All of our projects are sponsored by the German Federal Ministry for Education and Research.



EFAS

This 'EFAS' system is designed to help fire services deal with the special hazards encountered at sea. This specialized clothing provides greater safety, performance and efficiency when dealing with the special difficulties arising during on-board fires. To achieve this, the research team developed a special set of sensors: They monitor the bodily functions of firefighting teams, detect the ambient temperatures and toxic gas levels and show exactly where teams are located. That data is then transferred to Operations Control.

For this research project, S-GARD is responsible for developing the protective suit and integrating the relevant technology. The result is a streamlined, heat-reflecting full-body suit that allows full mobility of the wearer. Certified ventilation zips bring cooling in the event of acute heat stress. The reinforced material incorporates ceramic particles for better abrasion resistance. Both are incorporated in the RANGER 2.0 .



3D-PAKTEX

We developed 3D-PAKtex to address the issue of contamination. During a blaze, firefighting teams can be exposed to emissions of polycyclic aromatic hydrocarbons (PAH). These carcinogenic substances bind to soot particles, which can penetrate into clothing and skin. The aim of our 3D-PAKtex project is to provide greater protection for rescue professionals against PAH.

This specialized clothing is built around an innovative, high-functional fleece. To monitor its protective effectiveness, special sensors are integrated into the fleece. The good news: This layer can also easily be integrated in existing protective clothing. And the dark exterior reflective strips provide improved visibility. We've now adopted them for our OFFICER PRO.



ICOOL

Our Icool R&D project seeks to provide better active cooling for professionals while they are fighting blazes – to prevent heat stress before it happens. Our approach involves a cooling vest integrated directly in the turnout jacket. This vest features a 500 ml water tank.

During operations, the water flows through a fleece layer in the vest, evaporating thanks to a spacer mesh containing mini-fans. The evaporated water then flows via another fleece layer to the outside. From there it is wicked outwards, delivering a cooling effect to the jacket's wearer. In addition, our development team has produced materials with excellent moisture management characteristics and integrated certified ventilation zips.

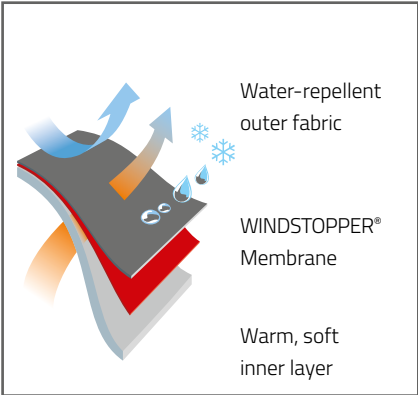
Windproof meets freedom of movement

Functional duty clothing with clear advantages

Functional duty clothing has long since improved on the traditional fire department sweater. It needs to do its job: A good duty jacket should protect you against cold, wind and moisture. It should also be flexible and breathable. It's important that your duty clothing allows you to move freely during your everyday working life – not just when you're out on a deployment. Our solution? The OFFICER PRO (find more on page 62)!

The high-tech material used for our WINDSTOPPER® softshell jacket consists of three layers: A water-repellent outer fabric, a windproof membrane and a soft layer on the inside to keep you warm. The outer layer and the membrane protect you against cold and moisture while the excellent breathability reduces the risk of overheating during physical exertion.

Elastic inserts made of GORE® BLUEFIN® provide extra freedom of movement. The dual-layer material is highly elastic and at the same time absolutely windproof and very breathable. The elastic sections on the torso, shoulders and elbows further improve the overall comfort of the OFFICER PRO. No matter how nasty the weather or how strenuous the work – this lightweight jacket guarantees you consistent temperatures and comfort in just about any situation.



FOR YOUR
DAY-TO-DAY DUTIES

DUTY CLOTHING

OFFICER PRO
MAJOR
DRYGARD
GARDIAN
INSULATOR
STORMGARD
COMMAND
ECOGARD





OFFICER PRO

WINDPROOF,
BREATHABLE AND
HIGHLY ELASTIC

Stand-up collar

Shoulder flaps
and tunnels

Full-length two-way
front zip

Sleeve pocket with
flap and pen slot

Zippered
side pocket

black blue

OFFICER PRO WINDSTOPPER®

Elastic softshell: The OFFICER PRO operational jacket with GORE® WINDSTOPPER® membrane protects you from the damp and cold as you go about your duties.

- Width-adjustable hem with drawstring
- Hanging loop on the outside
- Black reflective patches
- Sporty cut
- Two zippered side pockets
- One zippered inner pocket
- Ergonomically shaped sleeves
- Extended back section
- Stretch zones on back and sleeves



Material variants:
WINDSTOPPER® laminate black blue

COMFORTABLE FIT
AND COMPREHENSIVE
PROTECTION



Angled side pocket

black blue

MAJOR SOFTSHELL JACKET

Our comfortable softshell for everyday duty wear protects you from wind and weather – all year round.

- Cover strip with press studs
- Two angled side pockets with zips
- Shoulder tunnel and flaps
- Adjustable sleeve cuff
- Two breast pockets with flaps with press studs

Material variants:
Three-ply laminate, polyester
with PU membrane

black blue



Removable, adjustable
storm hood

black blue

DRYGARD WEATHER PROTECTION JACKET

EN 343:Class 3/3

Station wear that also protects against the elements: Our DRYGARD keeps you dry – guaranteed.

- Removable, three-way adjustable storm hood
- One chest pocket with water-repellent zip
- High-closure collar
- One patch chest pocket with flap
- Water-repellent two-way front zip with liner
- Two side pockets with water-repellent zip
- Arms-up design

Material variants:
Three-ply laminate, polyester
with PU membrane

black blue

PROTECTED IN
ANY WEATHER



Zip-out quilted
lining

Hood

black blue

GARDIAN WEATHER PROTECTION JACKET

EN 343:Class 3/3

Reliable weather protection meets warm quilted jacket – the GARDIAN parka is just as good in a team as it is on its own.

- Collar with integrated hood
- Left sleeve pocket
- Shoulder flaps and tunnels
- Inspection opening
- Two breast and two double side pockets

Material variants:

Polyester-cotton/Sigmatex black blue



black blue/red

INSULATOR INSULATING JACKET

Lightweight protection against the cold in daily operations – our INSULATOR.

- Extremely lightweight and compressible
- Elastic sleeve cuffs and hem
- Reversible
- Black reflective patches
- One zipped chest pocket
- Two side pockets with covered zip

Material variants:

Polyester black blue/red

ONE JACKET,
MANY FUNCTIONS



steel blue

STORMGARD FLEECE AND WEATHER-RESISTANT JACKET

The STORMGARD is characterized by its functionality, stylish design and practical details.

- Stand-up collar
- Shoulder flaps and tunnels
- Robust front closure with windproof liner and chin protector
- Two chest pockets, the right one a Napoleon pocket
- Two zipped side pockets
- Reinforced shoulders, elbows, forearms and sides
- Elastic sleeve cuffs and draw-cord in the hem
- With reflective piping

Material variants:
Microfleece with PU membrane..... steel blue

SO COLD DOESN'T
STAND A CHANCE



dark blue

COMMAND FLEECE JACKET

Fire service fleece: The comfortable COMMAND combines innovative design and proven functionality with ultimate comfort.

- Shoulder flaps and tunnels
- Two zipped side pockets
- Breast and sleeve pocket with pen pocket

Material variants:
Microfleece with PU membrane..... dark blue



black blue



SUSTAINABILITY IS A
TOP PRIORITY FOR US



NEW

black blue

ECOGARD PANTS

Our everyday duty pants are made of sustainable TENCEL™, a natural fiber, and recycled polyester.

- Motion-stretch comfort band with elastic inserts
- Double belt loops for belts up for 5 cm wide
- Pockets with a coin pocket on the right side
- Back pocket with a flap
- Slanted cargo pockets with pen holder on the right and a smartphone pocket on the left
- Reinforced inseam

Material variants:
TENCEL™ (recycled) black blue

ECOGARD SHORTS

Our everyday duty pants are made of sustainable TENCEL™, a natural fiber, and recycled polyester. Finally available as shorts – perfect for warmer summer months.

- Motion-stretch comfort band with elastic inserts
- Double belt loops for belts up for 5 cm wide
- Pockets with a coin pocket on the right side
- Back pocket with a flap
- Slanted cargo pockets with pen holder on the right and a smartphone pocket on the left
- Reinforced inseam

Material variants:
TENCEL™ (recycled) black blue

Born out of necessity

How our SWANGARD rescue vest revolutionizes the rescue of persons

Every second counts when people are trapped and injured in a vehicle after traffic accidents. Yet the standard approach that involves cutting through the roof of the vehicle often takes an enormous amount of time. It is also becoming increasingly difficult due to the use of modern safety and material technology in cars. Creating access through the rear of the vehicle is a faster solution for getting to trapped persons. Trunk access allows immediate action to be taken – without having to first remove the roof.



Includes a compact bag for easy transport



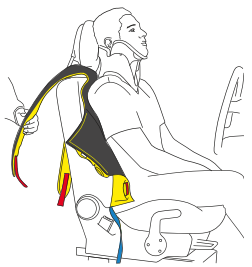
QUICK AND SAFE RESCUE OF PERSONS FROM VEHICLES

Our SWANGARD rescue vest protects injured persons during vehicle rescues. It also speeds up and simplifies operations for emergency personnel. The key here is the harness system attached to this innovative rescue vest. The SWANGARD harness makes it possible to put injured parties in a stable position even without the aid of a helper. During the rescue, you can fix injured persons in place using the belt system, remove them through the rear of the vehicle quickly and safely with the help of the spine board and then hand them over to ambulance personnel without losing valuable time.

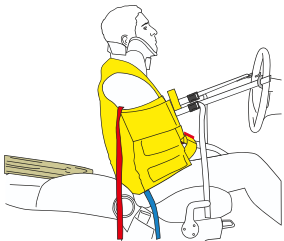


The SWANGARD system is a completely new concept patented by S-GARD. It will be apparent during every deployment that the SWANGARD has been developed first-hand BY fire departments FOR fire departments and specifically designed for use in technical assistance operations. The vest, for example, is extremely lightweight and can be put on quickly in emergencies. These important features mean that the SWANGARD saves lives, not only in trapped accident victim scenarios but also in a wide range of other deployment situations, for example when rescuing unconscious people from burning buildings.

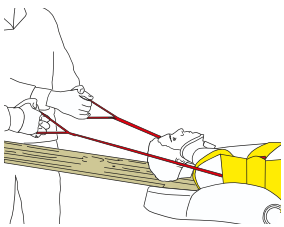
HOW IT WORKS



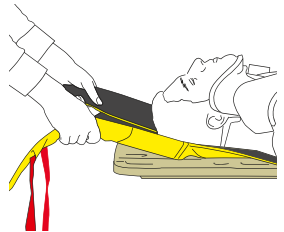
Pull the SWANGARD behind the casualty. Pass the loops under the arms. Secure the vest around the person.



Hook the vest to the steering wheel and increase tension. Fold down/remove the backrest. Move the spine board into position.



Loosen steering wheel straps and slowly maneuver patient backwards onto spine board. Pull the patient onto the spine board using the red straps.



Pull the vest out from under the patient.

HIGHLIGHT



Why protection against particulate emissions is so important: Go to page 28 to read more.

NANO 2.0 PARTICLE PROTECTION HOOD

- Laminated sandwich system
- Integrated inner particle barrier throughout the entire head area
- Ergonomic version with flat seams
- Highly breathable

Material variants:
Sandwich system of aramid viscose modacrylic with NANO Flex _____ gray flecks
Sandwich system of aramid viscose modacrylic with NANO Flex _____ gold

EN 13911



KEEP A COOL HEAD WHEN FIGHTING FIRE



FLAME PROTECTION HOOD

- EN 13911
- Elastic band in visual field
- Extra-flat seams
- Interlock, KERMELO, viscose



MULTIFUNCTIONAL VEST

- Two microphone holders, two side and two radio pockets (right pocket with safety carabiner)
- Double front zip with quick-release buckles
- Side width adjuster with clamp buckles
- Fastening option for chest and back ID signs
- Modacryl cotton



IDENTIFICATION COLLAR

- Extremely fire-resistant
- Individually printable
- Optionally available with hook and loop material for applying a back label
- Modacryl cotton
- Choose the size that matches your S-GARD jacket model
- Available for all overjacket models



PROTECTIVE PONCHO

- Protects the compressed air breathing apparatus in heat acclimatization systems
- DuPont™ Nomex® Tough

Properly maintained operational hygiene

How you can prevent contamination and take proper care of your PPE



When you take off your protective clothing, there is the risk that toxic materials can get into your lungs or absorb across your skin and mucous membranes. This makes adequate hygiene measures absolutely essential. To protect you, all contact with hazardous materials must be reduced to zero.

For this reason, the black & white separation concept is an important part of the hygiene process. “Black” stands for contaminated material that should not come into contact with the body. “White” stands for clean materials. What’s crucial is that the two areas – operational and social – remain strictly separated.

Fire smoke contains many carcinogens, including polycyclic aromatic hydrocarbons (PAH). Diesel exhaust fumes and building materials such as asbestos are also considered hazardous materials. Your PPE is there to protect you during fire turnouts involving hazardous materials – as are your gloves, helmet, boots, respirator and compressed air device. Yet the dangers don’t cease once the fire is out and the acute threat neutralized. Caution is always top priority!



PROTECTION THROUGH HYGIENE MEASURES

Contaminated PPE and respiratory equipment should be removed as quickly as possible once the operation is complete and you should wash yourself immediately. Any soiled PPE should – where the situation allows – not be returned to the fire station, but rather be collected in suitable containers for cleaning.

Avoid transporting contaminants! If you return home without washing yourself, then you can potentially put your family in contact with the hazardous materials. Under no circumstances should the PPE be transported openly in a vehicle and washed in your own washing machine. Otherwise your private clothing could also be contaminated.



Routine washing of the PPE is nevertheless essential. We only use high quality membranes – such as those supplied by the fabrics manufacturer GORE – in our S-GARD protective clothing to ensure that it survives as many wash cycles as possible. The unparalleled durability ensures a consistent appearance and the best protective properties.

AND THE RIGHT CARE HAS TO BE LEARNED

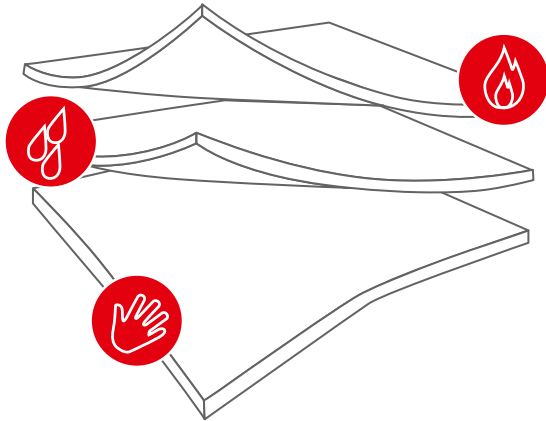
The best option is to give the PPE to a professional service for cleaning. To make sure your clothing is processed in accordance with its level of soiling, S-GARD offers a special care and maintenance service: We train and accredit laundries in handling S-GARD protective firefighting clothing.

We also offer seminars on the topic of operational hygiene: What can you do to protect yourself as effectively as possible? We provide instructions and checklists for in-house care. At the same time we also provide ongoing updates about the latest improvements – and even conduct some testing on behalf of TÜV Rheinland.

The right membrane for your needs

Effective protection against heat, flames, moisture and hazardous liquids

We know how diversified the daily routine of a fire service can be. For this reason, we offer material combinations to meet whatever needs you need to satisfy. We use GORE-TEX technical membranes in the majority of our products. These are permanently waterproof and reliably reduce heat stress. Combined with breathable, high-quality materials, our products are your guarantor for the greatest possible protection, wearing comfort and a long service life.



Our clothing typically consists of three layers. The non-flammable upper fabric protects the materials below against factors such as abrasion and is itself highly tear-resistant. The breathable membrane by contrast shields against rain and firefighting water. At the same time, it ensures that sweat is reliably wicked to the outside. Finally, the lining makes the clothing comfortable to wear. These three layers work together to create a functional air cushion – the so-called thermal insulation layer - that protects you from the severe heat of a fire.

GORE® CROSSTECH®

All the membranes that we use have GORE® CROSSTECH® functionality. This technology offers long-lasting protection against penetration by blood or other bodily fluids – meaning extra protection against infective pathogens.

Overview of the membranes we use



GORE® PARALLON™ SYSTEM

The very best heat and fire protection

The GORE® PARALLON™ system was developed specifically to reduce the hazards of heat stress and burns – especially where there is exposure to liquids such as firefighting water and rain. The lightweight, breathable and waterproof system offers a protective shield while still affording you full maneuverability.

The system combines breathable heat insulation with a GORE-TEX moisture barrier. It consists of two membranes with the thermal insulation between them. The special design ensures a high level of breathability that in turn reduces the danger of heat stress. Sweat is also quickly wicked away from the skin. This keeps the insulating layer dry and reduces exposure to the risk of scalds and burns. Simultaneously, the system prevents moisture from penetrating from the outside. It keeps you going in tough conditions.



GORE® AIRLOCK®

Extensive freedom of movement and protection from heat and wet

The functional layer with GORE® AIRLOCK® Spacer technology works like an air cushion to protect you from heat, moisture and hazardous liquids. The insulating layer between the face material and the inner lining is especially light and breathable. Sweat and water vapor can easily escape and evaporate. As a result, your protective clothing dries quickly and the risk of injury from scalding is reduced.



GORE® FIREBLOCKER

Low weight, optimum moisture regulation

This hard-wearing classic is one of the best-selling membranes of its kind. This keeps your clothing watertight and in form even despite frequent use. You can chose to configure the laminate for optimal protection or optimal wearing comfort: If the membrane is worn outside the heat barrier, then it protects the layers below against external moisture. If the membrane is oriented toward the skin, then its breathability is enhanced.

We will be pleased to assist you in person in your search for the layer structure that is right for you.

SAFETY
TOUR

OUT AND ABOUT
PROMOTING SAFETY



Your professional education and advanced training provider: S-GARD

S-GARD is not only specialized in the manufacture of high-end firefighting gear. We are also professionals when it comes to providing education and advanced training for firefighters and rescue personnel. And we know how diverse and challenging your job is. You are continually confronted with new situations. Technical requirements are becoming more challenging. It is becoming increasingly necessary to deal with the results of natural disasters. Not only that, but factors such as aggressive behavior and intrusive onlookers put further strain on your team. Our SAFETYTOUR provides professional education and advanced training to ensure that you are fully prepared for these challenges.

Get fit for ...

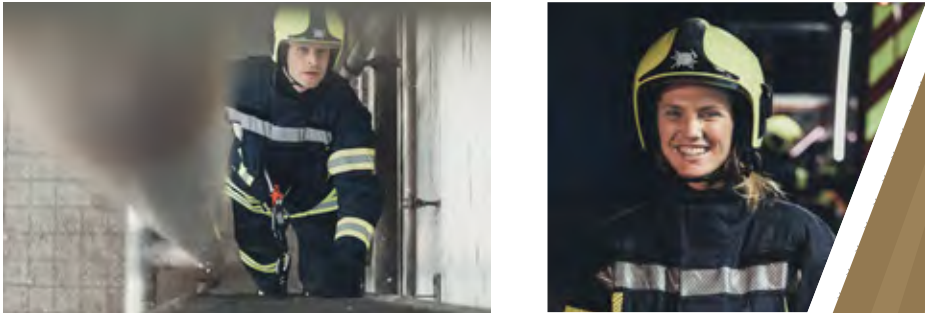
Technical assistance

Smoke- and gas-related risks

Accidents underground

Road accidents

Breaking down doors



SAFETYTOUR is tailored to your needs and is more than just a straightforward training course. Whether you are looking for station-based workshops, senior officer dialog sessions or 'Best Of' events: Gain new expertise and solid skills during a fascinating instruction session!

WORKSHOPS

We offer workshops on more than 40 different topics. They will teach you to overcome a wide range of challenges in preparation for emergencies. On-site in your station – tailored to your team, your daily routine, and your equipment.

DIALOGS

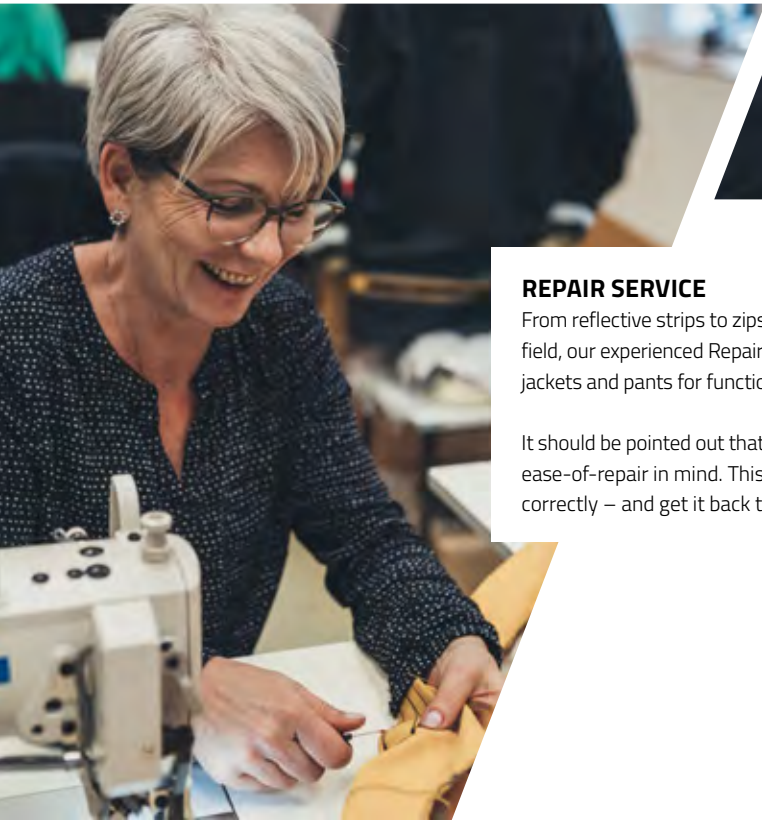
Expand your expertise in our dialog sessions designed especially for senior officers, and exchange information directly with other senior firefighters. The sessions include talks on a variety of key topics and reports on unusual deployments.

BEST OF

A range of SAFETYTOUR highlights in a single, unforgettable session: As part of an international team, perform exciting tasks under the guidance of experienced and skilled trainers. Besides subject matter relating to fire protection, technical assistance and CBRN, the focus is also on collaboration. After all, good teamwork makes it possible to master even major challenges.

AT THE READY FOR YOU

Supporting you with our range of services



REPAIR SERVICE

From reflective strips to zips and membranes; when your PPE is damaged in the field, our experienced Repair Service team can help. They will check your protective jackets and pants for functional readiness and professionally repair any damage.

It should be pointed out that our S-GARD protective clothing is produced with ease-of-repair in mind. This makes it easier for us to repair your equipment correctly – and get it back to you as quickly as possible.

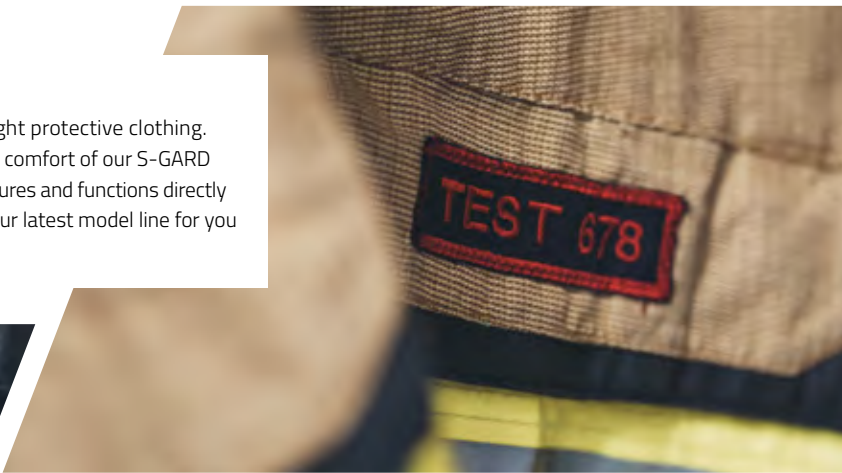
CARE AND MAINTENANCE

Suitable hygiene measures are essential to preventing health hazards. The right care is needed to ensure your PPE protects you properly! We will support you through our various care seminars and accredited partner laundries. For more info and tips about taking care of your operational apparel, please also see p. 72.



TEST RUNS

We can answer all of your questions about the right protective clothing. Naturally you can put the protective properties and comfort of our S-GARD duty clothing to the test and get to know all the features and functions directly in deployment situations. We'd be glad to provide our latest model line for you to test. Try them out first hand!



EMERGENCY SUPPLY

Unforeseeable events such as contaminations can unexpectedly drain your reserve of protective clothing. In these cases, we stand ready to provide a quick emergency supply of the protective clothing you need.



ONLINE SERVICES

You can find an overview of all our services and events on our website at s-gard.de/service. There you'll find a list of contacts for your specific situation! You'll also find our sizing chart, care and washing instructions and downloadable repair and return slips.

S-GARD
PRODUCT HIGHLIGHTS
AT A GLANCE

Standard

EN 469:Class 2

HuPF 2006 (dark-blue versions only)

General

Move+ freedom of movement

MOVE+ 3D

Inspection openings

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»

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MOVE+ 3D

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Features

Extended back section

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One torch holder with carabiner lock

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One tool loop on left

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Height-adjustable radio pockets

2*

2

2

2

2

2

2

1

Knitted cuffs with ITC system

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PRX9000 technology in the shoulder area

Not in the case of the
GORE® PARALLON™ system

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PRX AIRFLOW

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external

IRS-ready: Tunnel and DTS pocket

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Integrated comfort suspender system

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»

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removable

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removable

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Two openings with integrated pocket

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Reach-through openings only

Reach-through openings only

Leg width adjustment

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Pre-shaped leg hem with heel cutout

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Boot lock hook, joins pants and boots

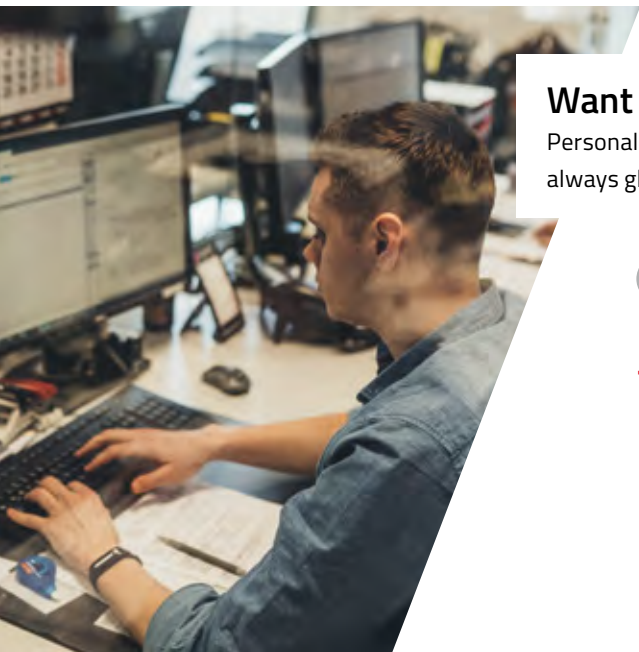
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DID YOU KNOW...?

Facts about S-GARD



- ... that the **GORE® CROSSTECH®** membrane in our protective clothing provides virus protection that conforms to the stipulations of EN 16604?
- ... that S-GARD turnout gear incorporates as standard an **RFID chip incl. barcode and QR code?** Perfect for your lifetime monitoring program!
- ... that our **DTS/IRS system** is one of the very few solutions to meet the requirements of German Social Accident Insurance (DGUV)?
- ... that our **GORE® PARALLON™ system** – unlike standard solutions – still offers outstanding heat protection even when wet?



Want to contact us?

Personal service is a top priority for us. Simply call or write us! We're always glad to answer your questions and provide assistance.



Your personal S-GARD consultant is there for you every day from 8 a.m. to 4 p.m. CET

+49 2452 9909-0

Find out the latest news about us on social networks, we'll see you there!

[facebook.com/ SGARD.DE](https://facebook.com/SGARD.DE)

instagram.com/sgard.de

YouTube.de S-GARD protective clothing



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S-GARD – success with leading market partners



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