



# FLAME PROTECTION & MULTINORM



**BLÅKLÄDER®**  
WORKWEAR





# PROTECTIVE GARMENTS FOR HIGH-RISK WORK

Blåkläder is currently channelling its efforts into protective clothing for harsh and hazardous working conditions. The featured garments were designed in partnership with some of our leading customers. In consultation with these industry partners, we addressed preferences and requirements for functional features such as pockets, material and fit, but also for work safety.

This collection provides maximum protection for welders, electricians, industrial workers and other occupational groups exposed to electrical hazards, fire and heat risk, liquid chemicals and harsh outdoor environments. All of the garments are certified to European standards and conform to the same high quality and performance requirements as other workwear collections from Blåkläder.

**NEW!**

CRAFTSMAN TROUSERS 1589


**MULTINORM**  
**LIGHTWEIGHT**

PAGE 6


**4087**

MULTINORM JACKET

PAGE 10

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**WELDING RANGE!**

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**WASHING**  
**DOS AND**  
**DON'TS!**

 FOR LASTING  
 PERFORMANCE AND  
 DURABILITY

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# REFERENCE CHART - CERTIFICATIONS

YOUR GUIDE TO THE  
RIGHT GARMENT



	EN ISO 20471	EN ISO 11612	EN ISO 14116	EN ISO 11611	EN1149-5	EN61482-1-2	IEC61482-2	EN 13034	EN342	EN343
1303 FR RAIN TROUSERS	X		X					X		X
1478 MULTINORM TROUSER	X	X		X	X		X	X		
1479 MULTINORM CRAFTSMAN TROUSER	X	X			X		X			
1488 MULTINORM TROUSER INHERENT	X	X		X	X		X	X		
1489 MULTINORM TROUSER INHERENT	X	X			X		X			
1561 ANTI-FLAME TROUSERS		X		X	X		X	X		
1578 MULTINORM CRAFTSMAN TROUSER	X	X		X	X		X	X		
1579 MULTINORM CRAFTSMAN TROUSERS	X	X			X		X			
1588 MULTINORM TROUSER INHERENT	X	X		X	X		X	X		
1589 MULTINORM TROUSER INHERENT	X	X			X		X			
1701 WELDING TROUSERS		X		X	X		X			
1724 ANTI-FLAME TROUSER		X		X	X		X	X		
1868 MULTINORM WINTER TROUSER	X	X		X	X		X	X	X	X
1869 MULTINORM WINTER TROUSER	X	X			X		X			
2608 MULTINORM BIB TROUSER	X	X		X	X		X	X		
2678 MULTINORM SLEEVELESS OVERALL	X	X		X	X		X	X		
2861 ANTI-FLAME BIB TROUSER		X		X	X		X	X		
2824 ANTI-FLAME BIB TROUSER		X		X	X		X	X		
2889 MULTINORM BIB INHERENT	X	X		X	X		X	X		
3024 ANTI-FLAME WAISTCOAT HIGH VIS CL 3	X		X							
3074 MULTINORM SWEATSHIRT		X			X	X				
3078 MULTINORM WAISTCOAT	X	X			X		X			
3087 MULTINORM SWEATSHIRT	X	X			X	X				
3089 MULTINORM WAISTCOAT INHERENT	X	X			X		X			
4089 MULTINORM JACKET INHERENT	X	X		X	X		X	X		
3227 FLAME SHIRT		X		X	X		X			
3228 FLAME SHIRT	X	X		X	X		X			
3374 FLAME RETARDANT PIQUE LONG SLEEVES		X			X					
3438 MULTINORM PIQUE LONG SLEEVES	X	X			X		X			
3439 MULTINORM PIQUE LONG SLEEVES	X	X			X		X			
3459 MULTINORM SWEATSHIRT	X	X			X		X			
3480 MULTINORM T-SHIRT	X		X		X					
3481 MULTINORM T-SHIRT LONG SLEEVES	X	X			X					
3482 FLAME RETARDANT T-SHIRT			X		X					
3483 FLAME RETARDANT T-SHIRT LONG SLEEVES		X			X					
4061 ANTI-FLAME JACKET		X		X	X		X	X		
4068 MULTINORM WINTER JACKET	X	X		X	X		X	X	X	X
4069 MULTINORM WINTER JACKET	X	X			X		X			
4087 MULTINORM JACKET	X	X		X	X		X	X		
4303 FR RAINJACKET	X		X					X		X
4468 MULTINORM WINTER PARKA	X	X		X	X		X	X	X	X
4774 ANTI-FLAME JACKET		X		X	X		X	X		
4801 WELDING JACKET		X		X	X		X			
4961 ANTI-FLAME WINTER JACKET		X		X	X		X	X		
6061 ANTI-FLAME OVERALL		X		X	X		X	X		
6089 MULTINORM OVERALL INHERENT	X	X		X	X		X	X		
6368 MULTINORM WINTER OVERALL	X	X		X	X		X	X	X	X
6378 MULTINORM OVERALL	X	X		X	X		X	X		
6704 ANTI-FLAME OVERALL		X		X	X		X	X		



## EN ISO 11611



Protective clothing certified to EN ISO 11611 provides the wearer with protection against spatter (small splashes of molten metal) and brief contact with flame. The garments certified to this standard are suitable for welding and similar processes. The garments are classified based on their capacity to provide protection against different levels of welding which cause more or less spatter and radiant heat.

**Class 1** - Protection against less hazardous welding techniques and situations, causing lower levels of spatter and radiant heat. .

**Class 2** - Protection against more hazardous welding techniques and situations, causing higher levels of spatter and radiant heat.

**(A1)** Limited flame spread, surface ignition method.

**(A2)** Limited flame spread, edge ignition method.

## EN ISO 20471



Protective clothing certified to EN 471 provides the wearer with high visibility in hazardous situations in all lighting conditions during the day and in the illumination of headlights in the dark. High performance requirements are included for luminance and retroreflection. The garments are classified based on the area of visible material.

	Background material (m <sup>2</sup> )	Reflective material (m <sup>2</sup> )
Class 1	0.14	0.10
Class 2	0.50	0.13
Class 3	0.80	0.20

## EN 1149-5



Protective clothing certified to EN 1149-5 provides the wearer with electrostatic protection and reduced risk of spark formation. The garments should be used as part of a total earthed system to prevent charging.

## EN 343



Protective clothing certified to EN 343 protects against precipitation such as rain or snow, fog and soil moisture. The garments and the seams are tested for their waterproofing and water resistance. The garments are classified based on waterproofing and water resistance to give a recommended working time.

## EN 342



Protective clothing certified to EN 342 provides the wearer with protection against cold surroundings. Requirements are set for insulation capacity as well as air permeability.

## EN ISO 11612



Protective clothing certified to EN ISO 11612 provides the wearer with protection against brief contact with heat and flame. The heat can be convection heat, radiant heat, spatter or a combination of these.

The garments are classified based on the following test parameters:

**(A1)** Limited flame spread, surface ignition method.

**(A2)** Limited flame spread, edge ignition method.

**(B)** Convection heat, scale 1-3 where 3 is best.

**(C)** Radiant heat, scale 1-4 where 4 is best.

**(D)** Molten aluminium splash, scale 1-3 where 3 is best.

**(E)** Molten iron splash, scale 1-3 where 3 is best.

**(F)** Contact heat, scale 1-3 where 3 is best.

## EN ISO 14116

Protective clothing complying with this International Standard is intended to protect the user against occasional and brief contact with small igniting flames, in circumstances where there is no significant heat hazard and without the presence of another type of heat. When protection against heat hazards is necessary, ISO 11612 is recommended.

Protective clothing certified to EN ISO 14116 may consist of several separate garments, or a single multi-layer garment. All material assemblies claiming compliance with this standard are required to achieve a limited flame spread index score of 1, 2 or 3 when tested in accordance with ISO 15025.

### Limited flame spread index

- Index 1 (flame spread, flaming debris and afterglow properties)
- Index 2 (as index 1 and included hole formation properties)
- Index 3 (as index 2 and included afterflame properties)

If the index is 1 (lowest level) the garment can only be used outside a garment with index 2 or 3. Index 1 may not have skin contact, e.g. neck and wrist.

## IEC 61482-2

Garment standards for protective clothing designed for potential risk of electric arc.

## EN 61482-1-2

Box test method for directional arc.

	Electric arc	Time
Class 1	4 kA	500 ms
Class 2	7kA	500 ms

## EN 13034



Protective clothing certified to EN 13034 provides protection against liquid chemicals and is intended for use if the risks are assessed as low and a full liquid permeation barrier is not necessary, i.e. when wearers are able to take timely adequate action if their clothing becomes contaminated. Low risks could be a potential exposure to small quantities of spray or accidental, low volume, splashes.

Available in two versions:

**TYPE 6** protective clothing tested as a full one-piece suit  
**TYPE PB [6]** not tested as a full one-piece suit (PB stands for 'partial body'). Any garment certified as PB [6] must be used in combination with other garments for full body protection and with other personal protective equipment.

# 1589



INTEGRAL NAIL POCKETS

EXTENDED RANGE OF SIZES:  
AVAILABLE IN C-150 AND D

FULLY-FEATURED THIGH  
POCKETS

TESTED FOR PROFESSIONAL  
INDUSTRIAL LAUNDERING  
EN ISO 15797

CORDURA®/KEVLAR®/PROTAL®  
REINFORCED  
KNEEPAD POCKETS

RULER POCKET

DURABLE MATERIAL

EN 1149-5, EN ISO 11612,  
EN ISO 20471, IEC 61482-2

REFLECTORS DESIGNED FOR  
PROFESSIONAL INDUSTRIAL  
LAUNDERING







# MULTINORM

## LIGHTWEIGHT

The material used in 1512 is an inherent fabric, meaning that the flame retardant is integral to the molecular structure of the fibre and can neither be worn nor washed away. This is what makes inherent flame-retardant garments durable, light-weight, comfortable and permanently protective.

The fabric meets the standard for EN 1149-3, EN ISO 11611 class 1, A1+A2, EN ISO 11612 A1+A2, B1, C1, E1, F1, HAF: 79,3%, LOI: 29,6%, EN 61482-1-1 11,9cal/cm², EN 61482-1-2 class 1, EN 13034, EN ISO 20471.

We recommend professional industrial laundering for extended garment life. The reflectors are designed to withstand heavy-duty use and industrial laundering. If the garment is not laundered professionally, follow the washing instructions and avoid fabric conditioner and bleach-based detergent.

REFLECTIVE TRIM FOR ENHANCED VISIBILITY

PRE-BENT SLEEVES

EXTENDED BACK FOR ADDED PROTECTION



NEW!

## 4089

MULTINORM JACKET INHERENT

**1512** 44% modacrylic, 30% cotton, 20% polyamide, 5% aramid, 1% antistatic, ripstop, flame retardant, antistatic, 260 g/m², Arc Rating 11,9 cal/cm²

**3389** Yellow/navy blue

XS-4XL

**DETAILS:** Shoulder sections in contrasting colour. External labels. High collar with zipper. **POCKETS:** Chest pocket with D ring. Chest pockets with covered zipper. Covered side pockets with hidden metal buttons. **FRONT CLOSURE:** Front cover with hidden metal push buttons. Robust hidden one-way metal zipper. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **FINISH:** Adjustable hem with velcro. Extended back. Adjustable sleeve end with velcro. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5, EN 13034 PB [6]. Certified according to EN ISO 20471, XS-S Class 2, M-> Class 3. Together with art. 1488, 1489, 1588, 1589 or 2889 obtains class 3 according to EN ISO 20471. Certified according to EN ISO 11611, Class 1 A1+A2, EN ISO 11612 A1, A2, B1, C1, E1, F1, IEC 61482-2, class 1. ATPV: 11,9cal/cm², HAF: 79,3%, LOI: 29,6%.



NEW!

## 3089

MULTINORM WAISTCOAT INHERENT

**1512** 44% modacrylic, 30% cotton, 20% polyamide, 5% aramid, 1% antistatic, ripstop, flame retardant, antistatic, 260 g/m², Arc Rating 11,9 cal/cm²

**3300** Yellow

S-4XL

**DETAILS:** External labels. D-ring. **POCKETS:** Loose-hanging chest pockets with safety straps, one with flap and metal push buttons, one open with pen pockets and tool tape. Front pockets with flap. Nail pockets - front and back. Reinforced, three-compartment nail pockets on front. **FRONT CLOSURE:** Robust hidden one-way metal zipper. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5, EN ISO 20471, Class 2. EN ISO 11612 A1, A2, B1, C1, F1, IEC 61482-2, class 1. ATPV: 11,9cal/cm², HAF: 79,3%, LOI: 29,6%.



NEW!

## 2889

MULTINORM BIB INHERENT

**1512** 44% modacrylic, 30% cotton, 20% polyamide, 5% aramid, 1% antistatic, ripstop, flame retardant, antistatic, 260 g/m², Arc Rating 11,9 cal/cm²

**3389** Yellow/navy blue

32R-48R, 34S-47S

**DETAILS:** External labels. Metal zipper fly. Loops, one with D ring. Hidden buttons. Adjustable waistline. Removable ID-pocket for flame retardant clothes. Adjustable braces with elastic. **POCKETS:** Back pockets with bellow, reinforced and flap. Leg pocket with bellow, telephone pocket and pen pocket. Chest pocket with flap and pen pocket. Angled front pockets. Knee protection pockets. Reinforced rule pocket with knife holder and pen pocket. **REINFORCEMENT:** CORDURA®/Kevlar®/Protal®-reinforcement on knee. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **FINISH:** C sizes can be extended to C150 sizes. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5, EN 13034 PB [6]. EN ISO 20471, Class 2. Together with art. 4089 XS-S obtains class 3 according to EN ISO 20471. Certified according to EN ISO 11611, Class 1 A1+A2, EN ISO 11612 A1, A2, B1, C1, E1, F1, ATPV: 11,9cal/cm², HAF: 79,3%, LOI: 29,6%, IEC 61482-2, class 1.



NEW!

## 6089

MULTINORM OVERALL INHERENT

**1512** 44% modacrylic, 30% cotton, 20% polyamide, 5% aramid, 1% antistatic, ripstop, flame retardant, antistatic, 260 g/m², Arc Rating 11,9 cal/cm²

**3389** Yellow/navy blue

32R-48R, 34S-47S

**DETAILS:** Shoulder sections in contrasting colour. External labels. High collar with zipper. Adjustable waistline. Removable ID-pocket for flame retardant clothes. **POCKETS:** Back pockets with bellow, reinforced and flap. Leg pocket with bellow, telephone pocket and pen pocket. Chest pocket with hidden metal zipper. Front pockets with flap and push button. Opening with flap for gripping underlying garment. Knee protection pockets. Reinforced ruler pocket with knife holder and pen pocket. **FRONT CLOSURE:** Front cover with hidden metal push buttons. Robust hidden two-way metal zipper. **REINFORCEMENT:** CORDURA®/Kevlar®/Protal®-reinforcement on knee. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **FINISH:** C sizes can be extended to C150 sizes. Adjustable sleeve end with velcro. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5, EN 13034 PB [6]. EN ISO 20471, Class 3. Certified according to EN ISO 11611, Class 1 A1+A2, EN ISO 11612 A1, A2, B1, C1, E1, F1, ATPV: 11,9cal/cm², HAF: 79,3%, LOI: 29,6%, IEC 61482-2, class 1.





NEW!

1588

MULTINORM TROUSER INHERENT

**1512** 44% modacrylic, 30% cotton, 20% polyamide, 5% aramid, 1% antistatic, ripstop, flame retardant, antistatic, 260 g/m<sup>2</sup>, Arc Rating 11,9 cal/cm<sup>2</sup>

**3389** Yellow/navy blue

30R-48R, 32L-40L, 34S-49S

**DETAILS:** External labels. Metal zipper fly. Loops, one with D ring. Hidden buttons. Removable ID-pocket for flame retardant clothes. **POCKETS:** Back pockets with bellow, reinforced and flap. Angled front pockets. Knee protection pockets. Ruler pocket with knife holder and pen pocket. **REINFORCEMENT:** CORDURA®/Kevlar®/Protal®-reinforcement on knee. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5. EN 13034 PB [6]. EN ISO 20471, Class 2. Together with art. 4089 XS-S obtains class 3 according to EN ISO 20471. Certified according to EN ISO 11611, Class 1 A1+A2. EN ISO 11612 A1, A2, B1, C1, E1, F1. ATPV: 11,9cal/cm<sup>2</sup>, HAF: 79,3%, LOI: 29,6%. IEC 61482-2, class 1.



NEW!

1589

MULTINORM TROUSER INHERENT

**1512** 44% modacrylic, 30% cotton, 20% polyamide, 5% aramid, 1% antistatic, ripstop, flame retardant, antistatic, 260 g/m<sup>2</sup>, Arc Rating 11,9 cal/cm<sup>2</sup>

**3389** Yellow/navy blue

30R-48R, 32L-40L, 34S-49S

**DETAILS:** External labels. Metal zipper fly. Loops, one with D ring. Hidden buttons. Removable ID-pocket for flame retardant clothes. **POCKETS:** Back pockets with bellow, reinforced. Leg pocket with bellow, telephone pocket and pen pocket. Angled front pockets. Reinforced, three-compartment nail pockets on front. Ruler pocket with knife holder and pen pocket. **REINFORCEMENT:** CORDURA®/Kevlar®/Protal®-reinforcement on knee. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5. EN ISO 20471, Class 2. Together with art. 4089 XS-S obtains class 3 according to EN ISO 20471. EN ISO 11612 A1, A2, B1, C1, F1. IEC 61482-2, class 1. ATPV: 11,9cal/cm<sup>2</sup>, HAF: 79,3%, LOI: 29,6%.



NEW!

1488

MULTINORM TROUSER INHERENT

**1512** 44% modacrylic, 30% cotton, 20% polyamide, 5% aramid, 1% antistatic, ripstop, flame retardant, antistatic, 260 g/m<sup>2</sup>, Arc Rating 11,9 cal/cm<sup>2</sup>

**8933** Navy blue/Yellow

30R-48R, 32L-40L, 34S-49S

**DETAILS:** External labels. Metal zipper fly. Loops, one with D ring. Hidden buttons. Removable ID-pocket for flame retardant clothes. **POCKETS:** Back pockets with bellow, reinforced and flap. Leg pocket with bellow, telephone pocket and pen pocket. Leg pocket with flap and press stud. Angled inset pockets. Knee protection pockets. Reinforced ruler pocket with knife holder and pen pocket. **REINFORCEMENT:** CORDURA®/Kevlar®/Protal®-reinforcement on knee. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5. EN 13034 PB [6]. EN ISO 20471, Class 1. Together with art. 4089 XS-S obtains class 3 according to EN ISO 20471. Certified according to EN ISO 11611, Class 1 A1+A2. EN ISO 11612 A1, A2, B1, C1, E1, F1. ATPV: 11,9cal/cm<sup>2</sup>, HAF: 79,3%, LOI: 29,6%. IEC 61482-2, class 1.



NEW!

1489

MULTINORM TROUSER INHERENT

**1512** 44% modacrylic, 30% cotton, 20% polyamide, 5% aramid, 1% antistatic, ripstop, flame retardant, antistatic, 260 g/m<sup>2</sup>, Arc Rating 11,9 cal/cm<sup>2</sup>

**8933** Navy blue/Yellow

30R-48R, 32L-40L, 34S-49S

**DETAILS:** External labels. Metal zipper fly. Loops, one with D ring. Hidden buttons. Removable ID-pocket for flame retardant clothes. **POCKETS:** Back pockets with bellow, reinforced. Leg pocket with bellow, telephone pocket and pen pocket. Angled front pockets. Reinforced, three-compartment nail pockets on front. Ruler pocket with knife holder and pen pocket. **REINFORCEMENT:** CORDURA®/Kevlar®/Protal®-reinforcement on knee. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5. EN ISO 20471, Class 1. Together with art. 4089 XS-S obtains class 3 according to EN ISO 20471. EN ISO 11612 A1, A2, B1, C1, F1. IEC 61482-2, class 1. ATPV: 11,9cal/cm<sup>2</sup>, HAF: 79,3%, LOI: 29,6%.











# MULTINORM

## HEAVYWEIGHT

Our new 1514 fabric is a flame-retardant blend of 75% cotton, 24% polyester, 1% antistatic, 350 g/m<sup>2</sup> and was selected for its superior combination of strength and comfort. The cotton-rich fabric ensures wearability and maximum protection in one. The fabric is certified to EN 1149-3, EN 61482-1-2 Class 1, EN ISO 11611 Class 1, EN ISO 11612 A1 A2 B1 C1 E3 F1, EN 13034, EN ISO 20471.

Styles 1478, 1479, 1578, 1579, 2608, 2678 are reinforced with knee pads in an inherent flame-retardant blend of 40% Protal, 28% CORDURA®, 17% cotton, 15% Kevlar. The unique blend and high percentage of CORDURA® and Kevlar give the material enhanced durability.

We recommend professional industrial laundering for extended garment life. The reflectors are designed to withstand heavy-duty use and industrial laundering. If the garment is not laundered professionally, follow the washing instructions and avoid fabric conditioner and bleach-based detergent.



NEW!

2678

MULTINORM SLEEVELESS OVERALL



**1514** 75% cotton, 24% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m<sup>2</sup>  
**3389** Yellow/navy blue  
 32R-48R, 32L-42L, 36S-41S

**DETAILS:** Adjustable at shoulder seam. External labels. Side hammer loop. Adjustable waistline. Removable ID-pocket for flame retardant clothes. **POCKETS:** Back pockets with bellow and flap. Leg pocket with bellow, telephone pocket and pen pocket. Loose-hanging chest pockets with nail pockets, one with telephone pocket and one with pen pocket. Front pockets with flap and push button. Inset pocket with flap. Knee protection pockets with two placement level options. Ruler pocket with knife holder and pen pocket. **FRONT CLOSURE:** Robust hidden two-way metal zipper. **REINFORCEMENT:** CORDURA®/Kevlar®/Protal®-reinforcement on knee. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **FABRIC:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5, EN 13034 PB [6], EN ISO 20471, Class 2. Certified according to EN ISO 11611, Class 1 A1+A2, EN ISO 11612 A1, A2, B1, C1, E3, F1. IEC 61482-2, class 1.



REFLECTIVE TRIM FOR  
ENHANCED VISIBILITY

EXTENDED BACK  
FOR ADDED PRO-  
TECTION

NEW!

4087

MULTINORM JACKET



**1514** 75% cotton, 24% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m<sup>2</sup>  
**3389** Yellow/navy blue  
 XS-4XL

**DETAILS:** Bellow on back. External labels. High collar with zipper. Removable ID-pocket for flame retardant clothes. **POCKETS:** Chest pocket with hidden metal zipper. Chest pockets with flap. Inset pocket with flap. Inner pocket with velcro closure. Inner telephone pocket. **FRONT CLOSURE:** Front cover with hidden metal push buttons. Robust hidden one-way metal zipper. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **FINISH:** Adjustable hem with velcro. Extended back. Adjustable sleeve end with velcro. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5, EN 13034 PB [6], EN ISO 20471, XS Class 2, S -> Class 3. Certified according to EN ISO 11611, Class 1 A1+A2, EN ISO 11612 A1, A2, B1, C1, E3, F1. IEC 61482-2, class 1.



NEW!

2608

MULTINORM BIB TROUSER



**1514** 75% cotton, 24% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m<sup>2</sup>  
**3389** Yellow/navy blue  
 32R-48R, 32L-42L, 36S-41S

**DETAILS:** External labels. Metal zipper fly. Side hammer loop. Loops, one with D ring. Seams in contrasting colour. Adjustable braces with elastic. **POCKETS:** Back pockets with bellow, reinforced and flap. Leg pocket with bellow, telephone pocket and pen pocket. Chest pocket with flap and pen pocket. Inset pocket with flap. Knee protection pockets with two placement level options. Ruler pocket with knife holder and pen pocket. **REINFORCEMENT:** CORDURA®/Kevlar®/Protal®-reinforcement on knee. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5, EN 13034 PB [6], EN ISO 20471, Class 2. Certified according to EN ISO 11611, Class 1 A1+A2, EN ISO 11612 A1, A2, B1, C1, E3, F1. IEC 61482-2, class 1.





BUY NAILPOCKET 1516  
AND BELT 4039



NEW!

# 1478

MULTINORM TROUSER

**1514** 75% cotton, 24% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m<sup>2</sup>

**8933** Navy blue/Yellow

32R-48R, 32L-42L, 34S-45S

**DETAILS:** External labels. Metal zipper fly. Side hammer loop. Loops, one with D ring. **POCKETS:** Back pockets with flap and button closure. Leg pocket with flap and telephone and pen pocket. Inset pocket with flap. Knee protection pockets with two placement level options. Ruler pocket with knife holder and pen pocket.

**REINFORCEMENT:** CORDURA®/Kevlar®/Protal®-reinforcement on knee. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5. EN 13034 PB [6]. EN ISO 20471, Class 1. Certified according to EN ISO 11611, Class 1 A1+A2. EN ISO 11612 A1, A2, B1, C1, E3, F1. IEC 61482-2, class 1.



BUY NAILPOCKET 1516  
AND BELT 4039



NEW!

# 1578

MULTINORM CRAFTSMAN TROUSER

**1514** 75% cotton, 24% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m<sup>2</sup>

**3389** Yellow/navy blue

30R-48R, 32L-40L, 34S-45S

**DETAILS:** External labels. Metal zipper fly. Side hammer loop. Loops, one with D ring. **POCKETS:** Back pocket with bellow and flap, with button closure. Leg pocket with bellow, telephone pocket and pen pocket. Inset pocket with flap. Knee protection pockets with two placement level options. Ruler pocket with knife holder and pen pocket.

**REINFORCEMENT:** CORDURA®/Kevlar®/Protal®-reinforcement on knee. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5. EN 13034 PB [6]. EN ISO 20471, Class 2. Certified according to EN ISO 11611, Class 1 A1+A2. EN ISO 11612 A1, A2, B1, C1, E3, F1. IEC 61482-2, class 1.



NEW!

# 1479

MULTINORM CRAFTSMAN TROUSER

**1514** 75% cotton, 24% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m<sup>2</sup>

**8933** Navy blue/Yellow

30R-48R, 32L-42L, 34S-45S

**DETAILS:** External labels. Metal zipper fly. Side hammer loop. Loops, one with D ring. Removable ID-pocket for flame retardant clothes. **POCKETS:** Back pockets with flap and button closure. Leg pocket with flap and telephone and pen pocket. Inset pockets. Knee protection pockets with two placement level options. Reinforced, three-compartment nail pockets on front. Ruler pocket with knife holder and pen pocket. **REINFORCEMENT:** CORDURA®/Kevlar®/Protal®-reinforcement on knee. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5. EN ISO 20471, Class 1. EN ISO 11612 A1, A2, B1, C1, F1. IEC 61482-2, class 1.



NEW!

# 1579

MULTINORM CRAFTSMAN TROUSERS

**1514** 75% cotton, 24% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m<sup>2</sup>

**3389** Yellow/navy blue

30R-48R, 32L-42L, 34S-45S

**DETAILS:** External labels. Metal zipper fly. Side hammer loop. Loops, one with D ring. Removable ID-pocket for flame retardant clothes. **POCKETS:** Back pockets with flap and button closure. Leg pocket with flap and telephone and pen pocket. Inset pockets. Knee protection pockets with two placement level options. Reinforced, three-compartment nail pockets on front. Ruler pocket with knife holder and pen pocket. **REINFORCEMENT:** CORDURA®/Kevlar®/Protal®-reinforcement on knee. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5. EN ISO 20471, Class 2. EN ISO 11612 A1, A2, B1, C1, F1. IEC 61482-2, class 1.





NEW!

6378

MULTINORM OVERALL



**1514** 75% cotton, 24% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m²

**3389** Yellow/navy blue

32R-48R, 32L-42L, 36S-41S

**FUNCTIONALITY:** Stretch panel in back. **DETAILS:** Bellow on back. External labels. High collar with zipper. Adjustable with drawstrings in waistline. Removable ID-pocket for flame retardant clothes. **POCKETS:** Back pockets with bellow and flap. Leg pocket with bellow, telephone pocket and pen pocket. Chest pocket with hidden metal zipper. Chest pockets with flap. Opening with flap for gripping underlying garment. Inset pocket with flap. Inner pocket with velcro closure. Knee protection pockets with two placement level options. Robust pocket with knife holder and pen pocket. **FRONT CLOSURE:** Front cover with hidden metal push buttons. Hidden two-way metal zipper. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **FINISH:** Adjustable sleeve end with velcro. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5, EN 13034 PB [6], EN ISO 20471, Class 3. Certified according to EN ISO 11611, Class 1 A1+A2. EN ISO 11612 A1, A2, B1, C1, E3, F1. IEC 61482-2, class 1.



NEW!

3078

MULTINORM WAISTCOAT



**1514** 75% cotton, 24% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m²

**3300** Yellow

S-XXXL

**DETAILS:** External labels. Side hammer loop. Wide belt-loops. Removable ID-pocket for flame retardant clothes. Opening in back for fastening safety harness. **POCKETS:** Loose-hanging chest pockets with nail pockets, one with telephone pocket and one with pen pocket. Front pockets with flap. Nail pockets - front and back. Nail pockets - in three parts and extra wide. **FRONT CLOSURE:** Double zippers at the front for adjustable width. Robust hidden one-way metal zipper. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5, EN ISO 20471, Class 2. EN ISO 11612 A1, A2, B1, C1, F1. IEC 61482-2, class 1.











# MULTINORM

## WINTER

Our 1530 fabric, composed of 55% modacrylic, 43% cotton, 2% antistatic, 300 g/m<sup>2</sup>, is a strong and durable inherent material, meaning that the flame retardant is built into the fibres. The material is also laminated for rain and wind protection (EN 343). The garments are lined and have taped seams.

The fabric is certified to EN 1149-3, EN 61482-1-2 Class 1, EN 11611 Class 1, EN 11612 A1 B1 C1 E1 F1, EN 13034, EN 20471, EN 343 Class 3.3.



### 4468

MULTINORM WINTER PARKA

**1530** 55% modacrylic, 43% cotton, 2% antistatic, twill, flame retardant, antistatic, laminated, wind- and waterproof, breathable, 300g/m<sup>2</sup>, Arc Rating 22,2 cal/cm<sup>2</sup>

**3389** Yellow/navy blue

XS-4XL

**FUNCTIONALITY:** Breathable wind & water-tight material, taped seams. **LINING:** Quilt lining. **DETAILS:** External labels. High collar with zipper. Removable and adjustable cap (sold separately). Adjustable with drawstrings in waistline. Removable ID-pocket for flame retardant clothes. **POCKETS:** Chest pocket with flap. Chest pocket with phone pocket. Front pockets with flap. Inset pocket with flap. Inner pocket with velcro closure. **FRONT CLOSURE:** Front cover with hidden metal push buttons. Robust hidden two-way metal zipper. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **FINISH:** Extended back. Sleeve end with inner wristlet. Adjustable sleeve end with velcro. **CERTIFICATION:** EN 1149-5, EN 13034 PB [6], EN ISO 20471, Class 3. Certified according to EN 342 when used with art: 1868. EN 343, Class 3.1. EN ISO 11611, Class 2 A1. ISO 11612 A1, B1, C1. IEC 61482-2, class 1.



### 4068

MULTINORM WINTER JACKET

**1530** 55% modacrylic, 43% cotton, 2% antistatic, twill, flame retardant, antistatic, laminated, wind- and waterproof, breathable, 300g/m<sup>2</sup>, Arc Rating 22,2 cal/cm<sup>2</sup>

**3389** Yellow/navy blue

XS-4XL

**FUNCTIONALITY:** Breathable wind & water-tight material, taped seams. **LINING:** Quilt lining. **DETAILS:** External labels. High collar with zipper. Removable and adjustable cap (sold separately). Removable ID-pocket for flame retardant clothes. **POCKETS:** Chest pocket with flap. Inset pocket with flap. Inner pockets, one with telephone pocket. **FRONT CLOSURE:** Front cover with hidden metal push buttons. Robust hidden one-way metal zipper. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **FINISH:** Adjustable hem with velcro. Extended back. Sleeve end with inner wristlet. Adjustable sleeve end with velcro. **CERTIFICATION:** EN 1149-5, EN 13034 type 6. Certified according to EN 342 when used with art: 1868. EN 343, Class 3.1. EN 471/EN ISO 20471, Class 3. EN ISO 11611, Class 1 A1. ISO 11612 A1, B1, C1. IEC 61482-2, class 1.



### 1868

MULTINORM WINTER TROUSER

**1530** 55% modacrylic, 43% cotton, 2% antistatic, twill, flame retardant, antistatic, laminated, wind- and waterproof, breathable, 300g/m<sup>2</sup>, Arc Rating 22,2 cal/cm<sup>2</sup>

**3389** Yellow/navy blue

32R-46R, 36S-43S

**FUNCTIONALITY:** Breathable wind & water-tight material, taped seams. **LINING:** Quilt lining. **DETAILS:** External labels. Metal zipper fly. Side hammer loop. Loops, one with D ring. Extended waistband back. Snow gaiter with velcro and button opening. Removable ID-pocket for flame retardant clothes. Adjustable and removable braces. **POCKETS:** Back pockets with flap and velcro closure. Leg pocket with flap and telephone and pen pocket. Inset pocket with flap. Knee protection pockets with two placement level options and velcro closure. Nail pockets sold separately (art: 2178). Attachments for extra removable nail pockets. Ruler pocket with knife holder. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **FINISH:** Leg bottom with zipper. **CERTIFICATION:** EN 1149-5, EN 13034 type 6. EN 14404, type 2, level 1 together with EN14404-certified knee protection art 4000, 4008, 4018. EN ISO 20471, Class 2. Certified according to EN 342 when used with art: 4068 or 4468. EN 343, Class 3.1. EN ISO 11611, Class 1 A1. ISO 11612 A1, B1, C1. IEC 61482-2, class 1.



### 6368

MULTINORM WINTER OVERALL

**1530** 55% modacrylic, 43% cotton, 2% antistatic, twill, flame retardant, antistatic, laminated, wind- and waterproof, breathable, 300g/m<sup>2</sup>, Arc Rating 22,2 cal/cm<sup>2</sup>

**3389** Yellow/navy blue

32R-46R

**FUNCTIONALITY:** Breathable wind & water-tight material, taped seams. Stretch panel in back. **LINING:** Quilt lining. **DETAILS:** External labels. Side hammer loop. High collar with zipper. Removable and adjustable cap (sold separately). Adjustable with drawstrings in waistline. Snow gaiter with velcro and button opening. Taped seams. Removable ID-pocket for flame retardant clothes. **POCKETS:** Back pockets with flap and velcro closure. Leg pocket with flap and telephone and pen pocket. Thigh pocket. Chest pocket with flap. Inset pocket with flap. Inner pocket with velcro closure. Knee protection pockets with two placement level options and velcro closure. Inner telephone pocket. Ruler pocket with knife holder. **FRONT CLOSURE:** Front cover with hidden metal push buttons. Robust hidden two-way metal zipper. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **FINISH:** Leg bottom with zipper. Adjustable sleeve end with velcro. **CERTIFICATION:** EN 1149-5, EN 13034 PB [6], EN 14404, type 2, level 1 together with EN14404-certified knee protection art 4000, 4008, 4018. EN ISO 20471, Class 3. EN 342. EN 343, Class 3.1. EN ISO 11611, Class 2 A1. ISO 11612 A1, B1, C1. IEC 61482-2, class 1.







# MULTINORM

## WINTER

Our new 1514 fabric is a flame-retardant blend of 75% cotton, 24% polyester, 1% antistatic, 350 g/m<sup>2</sup> and was selected for its superior combination of strength and comfort. The cotton-rich fabric ensures wearability and maximum protection in one. The fabric is certified to EN 1149-3, EN 61482-1-2 Class 1, EN ISO 11611 Class 1, EN ISO 11612 A1 A2 B1 C1 E3 F1, EN 13034, EN ISO 20471.



NEW!

## 4069

MULTINORM WINTER JACKET



**1514** 75% cotton, 24% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m<sup>2</sup>

**3389** Yellow/navy blue

XS-4XL

**FUNCTIONALITY:** Lined. **LINING:** Quilt lining. **DETAILS:** External labels. Fleece lined collar. High collar with zipper. Removable ID-pocket for flame retardant clothes. **POCKETS:** Chest pocket with flap. Chest pocket with hidden metal zipper. Inset pocket with flap. Inner pocket with velcro closure. Inner telephone pocket. **FRONT CLOSURE:** Front cover with hidden metal push buttons. Robust hidden one-way metal zipper. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **FINISH:** Adjustable hem with velcro. Extended back. Adjustable sleeve end with velcro. **CERTIFICATION:** EN 1149-5. EN ISO 20471, XS-L class 2, XL-> class 3. EN ISO 11612 A1,A2,B1,C1,F1. IEC 61482-2, class 2.



NEW!

## 1869

MULTINORM WINTER TROUSER



**1514** 75% cotton, 24% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m<sup>2</sup>

**8933** Navy blue/Yellow

30R-48R, 32L-42L, 34S-45S

**FUNCTIONALITY:** Lined. **LINING:** Quilt lining. **DETAILS:** External labels. Metal zipper fly. Loops, one with D ring. **POCKETS:** Back pockets. Leg pocket with bellow, telephone pocket and pen pocket. Angled front pockets. Inner knee protection pockets. **REINFORCEMENT:** CORDURA®/Kevlar®/Protal®-reinforcement on knee. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **CERTIFICATION:** EN 1149-5. EN ISO 20471, Class 1. EN ISO 11612 A1,A2,B1,C1,F1. IEC 61482-2, class 2.





# 4801

HIGH ADJUSTABLE COLLAR FOR  
ENHANCED PROTECTION

EN 1149-5  
EN ISO 11611, CLASS 2  
EN ISO 11612  
IEC 61482-2

TESTED FOR PROFS-  
SIONAL INDUSTRIAL  
LAUNDERING  
EN ISO 15797

PRE-BENT SLEEVES  
FOR OPTIMUM  
COMFORT

REFLECTIVE TRIM  
FOR ENHANCED  
VISIBILITY

EXTENDED BACK FOR ADDED PROTECTION







# WELDING

## PROTECTION IN DEMANDING ENVIRONMENTS

Fabric 1501, 79% cotton, 20% polyester, 1% antistatic, 450 g/m<sup>2</sup> is specially designed to meet the high safety requirements of demanding environments in which welding is performed. The fabric is certified to EN1149-3, EN 61482-1-2 Class 1, EN ISO 11611 Class 2, EN ISO 11612 A1 A2 B1 C1 E3 F1.

We recommend professional industrial laundering for extended garment life. The reflectors are designed to withstand heavy-duty use and industrial laundering. If the garment is not laundered professionally, follow the washing instructions and avoid fabric conditioner and bleach-based detergent.



NEW!

### 4801

WELDING JACKET



**1501** 79% cotton, 20% polyester, 1% antistatic satin, flame retardant antistatic 450g/m<sup>2</sup>, Arc Rating 13,3 cal/cm<sup>2</sup>

**8933** Navy blue/Yellow

XS-4XL

**DETAILS:** External labels. High collar. Adjustable collar width. D-ring. **POCKETS:** Front pockets with flap and push button. **FRONT CLOSURE:** Front cover with hidden metal push buttons. Hidden one-way metal zipper. **REFLEX:** Reflective details. **FINISH:** Adjustable hem with velcro. Extended back. Adjustable sleeve end with velcro. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5, EN ISO 11611 class 2, A1+A2. EN ISO 11612 A1, A2, B1, C1, E3, F1. IEC 61482-2, class 1.



NEW!

### 1701

WELDING TROUSERS



**1501** 79% cotton, 20% polyester, 1% antistatic satin, flame retardant antistatic 450g/m<sup>2</sup>, Arc Rating 13,3 cal/cm<sup>2</sup>

**8933** Navy blue/Yellow

30R-48R, 32L-40L, 36S-51S

**DETAILS:** External labels. Metal zipper fly. Straps. D-ring. **POCKETS:** Back pocket with flap, hidden metal button. Leg pocket with flap. Inner knee protection pockets. Side pockets. **REFLEX:** Reflective details. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5, EN ISO 11611 class 2, A1+A2. EN ISO 11612 A1, A2, B1, C1, E3, F1. IEC 61482-2, class 1.



REPELS WELD SPARKS AND  
MOLTEN METAL

SUPPLE AND LIGHTWEIGHT  
FABRIC

NEW!

### 3061

WELDING APRON



**1501** 79% cotton, 20% polyester, 1% antistatic satin, flame retardant antistatic 450g/m<sup>2</sup>, Arc Rating 13,3 cal/cm<sup>2</sup>

**8900** Navy blue

One size

**FUNCTIONALITY:** Reinforcing materials withstand melted metals, iron, zinc and aluminum. **DETAILS:** External labels. Tie belt. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN ISO 11611 class 2, A1+A2. EN ISO 11612 A1, A2, B1, C1, D3, E3, F1.













# FLAME

## FOR SAFETY AND COMFORT

The new 1516 fabric is a flame-retardant blend of 85% cotton, 14% polyester, 1% antistatic, 350 g/m<sup>2</sup> designed for durability and comfort. The cotton-rich fabric ensures wearability and maximum protection in one.

The fabric is certified to EN 1149-3, EN 61482-1-2 Class 1, EN ISO 11611 Class 1, EN ISO 11612 A1 B1 C1 E1 F1, EN 13034 and has an ATPV rating of 8.2 cal/cm<sup>2</sup>, HAF 81%.

We recommend professional industrial laundering for extended garment life (except for model 4961). The reflectors are designed to withstand heavy-duty use and industrial laundering. If the garment is not laundered professionally, follow the washing instructions and avoid fabric conditioner and bleach-based detergent.

# 4061

EN 1149-5  
EN ISO 11611  
EN ISO 11612  
IEC 61482-2  
EN 13034

HIGH COLLAR FOR ENHANCED PROTECTION

REFLECTIVE TRIM FOR ENHANCED VISIBILITY

TESTED FOR PROFESSIONAL INDUSTRIAL LAUNDERING  
EN ISO 15797

PRE-BENT SLEEVES FOR OPTIMUM COMFORT

EXTENDED BACK FOR ADDED PROTECTION







NEW!

4061



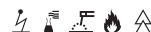
ANTI-FLAME JACKET

**1516** 85% cotton, 14% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m², Arc Rating 8,2 cal/cm²

**9994** Black/Grey

XS-4XL

**FUNCTIONALITY:** Pre-bent sleeves. **DETAILS:** Bellow on back. External labels. High collar. Yoke in back. Long sleeves. **POCKETS:** Chest pockets with zipper. Inset pocket with flap. Inner pocket. Inner telephone pocket. **FRONT CLOSURE:** Robust hidden one-way metal zipper. **REFLEX:** Reflective details. **FINISH:** Adjustable hem with velcro. Adjustable sleeve end with velcro. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5, EN 13034 PB [6], EN ISO 11611, Class 1 A1, EN ISO 11612 A1, B1, C1, E1, F1. IEC 61482-2, class 1.



NEW!

1561



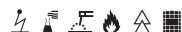
ANTI-FLAME TROUSERS

**1516** 85% cotton, 14% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m², Arc Rating 8,2 cal/cm²

**9994** Black/Grey

30R-48R, 32L-40L, 36S-51S

**FUNCTIONALITY:** Pre-bent knees. **DETAILS:** Woven label on leg pocket. Metal zipper fly. Loops, one with D ring. **POCKETS:** Back pockets with flap. Leg pocket with bellow and flap. Two front pockets. Knee protection pockets with two placement level options. Ruler pocket with knife holder and pen pocket. **REFLEX:** Reflective details. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5, EN 13034 PB [6], EN ISO 11611, Class 1 A1, EN ISO 11612 A1, B1, C1, E1, F1. IEC 61482-2, class 1.



NEW! Trousers with nailpockets, model 1461, incoming during spring 2018.

USE WITH 4039  
ANTI-FLAME BELT



NEW!

1516



LOOSE NAIL POCKETS

**1516** 85% cotton, 14% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m², Arc Rating 8,2 cal/cm²

**9900** Black

One size

**FUNCTIONALITY:** To be attached to belt. **POCKETS:** Nail pockets - in three parts and extra wide. **REINFORCEMENT:** Reinforced at bottom. **PACKAGING:** Sold in pairs. **FITS WITH:** Article 1561, 2861, 6061. Belt 4039.

WHERE the 1516 Pocket is used with trousers, the trousers' certifications to EN ISO 11611, EN 13034 and/or EN ISO 11612 E no longer apply.



NEW!

4961



ANTI-FLAME WINTER JACKET

**1516** 85% cotton, 14% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m², Arc Rating 8,2 cal/cm²

**9994** Black/Grey

XS-4XL

**FUNCTIONALITY:** Lined. Pre-bent sleeves. **LINING:** Lined. **DETAILS:** Bellow on back. Woven label on sleeve. High collar. Yoke in back. Long sleeves. **POCKETS:** Chest pockets with zipper. Inset pocket with flap. Inner pocket. Inner telephone pocket. **FRONT CLOSURE:** Robust hidden one-way metal zipper. **REFLEX:** Reflective details. **FINISH:** Adjustable hem with velcro. Adjustable sleeve end with velcro. **CERTIFICATION:** EN 1149-5, EN 13034 PB [6], EN ISO 11611, Class 1 A1, EN ISO 11612 A1, B1, C1, E1, F1. IEC 61482-2, class 2.



NEW!

2861



ANTI-FLAME BIB TROUSER

**1516** 85% cotton, 14% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m², Arc Rating 8,2 cal/cm²

**9994** Black/Grey

30R-48R, 32L-40L, 36S-51S

**FUNCTIONALITY:** Pre-bent knees. **DETAILS:** Woven label on leg pocket. Metal zipper fly. Loops, one with D ring. Adjustable braces with elastic. **POCKETS:** Back pockets with flap. Leg pocket with bellow and flap. Chest pocket with flap. Two front pockets. Knee protection pockets with two placement level options. Ruler pocket with knife holder and pen pocket. **REFLEX:** Reflective details. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5, EN 13034 PB [6], EN ISO 11611, Class 1 A1, EN ISO 11612 A1, B1, C1, E1, F1. IEC 61482-2, class 1.



NEW!

6061



ANTI-FLAME OVERALL

**1516** 85% cotton, 14% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m², Arc Rating 8,2 cal/cm²

**9994** Black/Grey

30R-48R, 32L-40L, 36S-51S

**DETAILS:** Bellow on back. Adjustable elastic in waistline. **POCKETS:** Back pockets with bellow and flap. Leg pocket with flap and extra tool pocket. Chest pockets with zipper. Chest pockets with flap. Knee protection pockets with two placement level options. Ruler pocket with extra pocket. **FRONT CLOSURE:** Robust hidden two-way metal zipper. **REFLEX:** Reflective details. **FINISH:** Adjustable sleeve end with velcro. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5, EN 13034 type 6, EN ISO 11611, Class 1 A1, EN ISO 11612 A1, B1, C1, E1, F1. IEC 61482-2, class 1.





# FLAME

DURABLE,  
SAFE AND  
COMFORTABLE

The new 1516 fabric is a flame retardant blend of 85% cotton, 14% polyester, 1% antistatic. 350 g/m<sup>2</sup> designed for durability and comfort. The cotton-rich fabric ensures wearability and maximum protection in one. The fabric is certified to EN 1149-3, EN 61482-1-2 Class 1, EN ISO 11611 Class 1, EN ISO 11612 A1 B1 C1 E1 F1, EN 13034 and has an ATPV rating of 8.2 cal/cm<sup>2</sup>, HAF 81%.

We recommend professional industrial laundering for extended garment life. If the garment is not laundered professionally, follow the washing instructions and avoid fabric conditioner and bleach-based detergent.



NEW!

## 4774

ANTI-FLAME JACKET



**1516** 85% cotton, 14% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m<sup>2</sup>, Arc Rating 8,2 cal/cm<sup>2</sup>

**8900** Navy blue

XS-4XL

**DETAILS:** Bellow on back. **POCKETS:** Chest pockets with flap. Inset pocket with flap. **FRONT CLOSURE:** Hidden one-way metal zipper. **FINISH:** Adjustable hem with velcro. Adjustable sleeve end. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5, EN 13034 PB [6], EN ISO 11611, Class 1 A1, EN ISO 11612 A1, B1, C1, E1, F1, IEC 61482-2, class 1.



NEW!

## 1724

ANTI-FLAME TROUSER



**1516** 85% cotton, 14% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m<sup>2</sup>, Arc Rating 8,2 cal/cm<sup>2</sup>

**8900** Navy blue

30R-48R, 32L-40L, 36S-51S

**DETAILS:** Metal zipper fly. Straps. Adjustable waistline. **POCKETS:** Back pockets with flap and button closure. Leg pocket with bellow, flap and sewn on three-section pen pocket. Front pockets with flap. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5, EN 13034 PB [6], EN ISO 11611, Class 1 A1, EN ISO 11612 A1, B1, C1, E1, F1, IEC 61482-2, class 1.



NEW!

## 6704

ANTI-FLAME OVERALL



**1516** 85% cotton, 14% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m<sup>2</sup>, Arc Rating 8,2 cal/cm<sup>2</sup>

**8900** Navy blue

30R-48R

**DETAILS:** Bellow on back. Adjustable waistline. Reinforced crotch seam. **POCKETS:** Back pockets with flap. Chest pockets with flap. Inset pocket with flap. Ruler pocket. **FRONT CLOSURE:** Hidden closure. **FINISH:** Adjustable sleeve end with velcro. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5, EN 13034 PB [6], EN ISO 11611, Class 1 A1, EN ISO 11612 A1, B1, C1, E1, F1, IEC 61482-2, class 1.



NEW!

## 2824

ANTI-FLAME BIB TROUSER



**1516** 85% cotton, 14% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m<sup>2</sup>, Arc Rating 8,2 cal/cm<sup>2</sup>

**8900** Navy blue

32R-48R, 34S-47S

**DETAILS:** Metal zipper fly. Straps. Adjustable waistline. D-ring. Adjustable braces with elastic. **POCKETS:** Back pockets with flap and button closure. Leg pocket with bellow and flap. Chest pocket with flap. Inset pockets. Ruler pocket with knife holder. **FINISH:** C sizes can be extended to C150 sizes. **WASH:** Industry wash, EN ISO 15797. **CERTIFICATION:** EN 1149-5, EN 13034 PB [6], EN ISO 11611, Class 1 A1, EN ISO 11612 A1, B1, C1, E1, F1, IEC 61482-2, class 1.







## EN ISO 20471

Protective clothing certified to EN 20471 provides the wearer with high visibility in hazardous situations in all lighting conditions during the day and in the illumination of headlights in the dark. High performance requirements are included for luminance and retroreflection. The garment is classified based on the area of visible material and in combination with the reflective area and specific design requirements.

	Background material (m <sup>2</sup> )	Reflective material (m <sup>2</sup> )
--	---------------------------------------	---------------------------------------

Class 1	0.14	0.10
Class 2	0.50	0.13
Class 3	0.80	0.20



## 3024

### ANTI-FLAME WAISTCOAT HIGH VIS CL 3



**1062** 100% polyester, ant flame, 125g/m<sup>2</sup>

**3300** Yellow

S/M, L/XL, XXL/3XL

**DETAILS:** Retractable ID-pocket. **FRONT CLOSURE:** One-way plastic zipper. **FINISH:** Extended back. **CERTIFICATION:** EN 14116. EN ISO 20471, Class 3.



## 4303

### FR RAINJACKET



**2009** 100% polyester, PU coated, wind- and waterproof, breathable, flame-retardant, 260g/m<sup>2</sup>

**3300** Yellow

XS-XXXL

**FUNCTIONALITY:** Ventilation in back. Wind and waterproof with welded seams. **DETAILS:** Removable, adjustable cap. Retractable ID-pocket. **POCKETS:** Front pockets with zipper. Front pockets, one with D ring. Napoleon pocket inside front wind flap. **FRONT CLOSURE:** Hidden one-way plastic zipper. **FINISH:** Adjustable sleeve end with inner cuff. Adjustable sleeve end with velcro. **CERTIFICATION:** EN 13034 type 6. EN 14116. EN ISO 20471, Class 3. EN 343, Class 3.1.



## 1303

### FR RAIN TROUSERS



**2009** 100% polyester, PU coated, wind- and waterproof, breathable, flame-retardant, 260g/m<sup>2</sup>

**3300** Yellow

XS-XXXL

**FUNCTIONALITY:** Wind and waterproof with welded seams. **DETAILS:** Adjustable with drawstrings in waistline. Adjustable and removable braces with elastic. **POCKETS:** Leg pocket with bellow and flap. Opening with flap to enable hanging out the nail pockets. Ruler pocket with extra pocket and knife holder. **REINFORCEMENT:** Reinforced knees. **FINISH:** Adjustable leg bottom with velcro. Leg bottom with zipper. **CERTIFICATION:** EN 13034 type 6. EN 14116. EN ISO 20471, Class 2. EN 343, Class 3.1.





# PROTECTION IN ALL LAYERS

## MAXIMISE YOUR SAFETY

For maximum protection, it is important to wear flame retardant certified garments in all layers of clothing. Ordinary polyester undergarments exposed to extreme heat melt against the skin and can cause severe burns.

By wearing flame retardant garments in all layers, you obtain greater protection. By wearing a flame retardant mid-layer and base-layer under a flame proof jacket and trousers, you increase the safety of the clothing assembly.

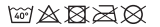
All our knitwear including shirts are in an inherent flame-retardant blend meaning that the flame retardant is built into the fibres.



NEW!

### 3480

MULTINORM T-SHIRT



**1717** 59% modacrylic, 39% cotton, 2% Other fibers, single jersey antistatic Flame Retardant 180 g/m<sup>2</sup>

**3300** Yellow

XS-4XL

**DETAILS:** External labels. Round neck. **REFLEX:** 50 mm wide flame retardant cut reflective tapes. Printed reflective tape. **CERTIFICATION:** EN 1149-5. EN ISO 20471, Class 2. EN ISO 14116, index 3.



NEW!

### 3439

MULTINORM PIQUE LONG SLEEVES



**1726** 59% modacrylic, 39% cotton, 2% antistatic, pique knitted, flame retardant, antistatic, 220g/m<sup>2</sup>, Arc Rating 6,3 cal/cm<sup>2</sup>

**3300** Yellow

S-4XL

**DETAILS:** External labels. Neck opening with buttons. Rib-knitted collar. **REFLEX:** 50 mm wide flame retardant cut reflective tapes. Printed reflective tape. **FINISH:** Wristlet at sleeve end. **CERTIFICATION:** EN 1149-5. EN ISO 20471, Class 3. ISO 11612 A1, B1, C1. IEC 61482-2, class 1.



NEW!

### 3481

MULTINORM T-SHIRT LONG SLEEVES



**1717** 59% modacrylic, 39% cotton, 2% Other fibers, single jersey antistatic Flame Retardant 180 g/m<sup>2</sup>

**3300** Yellow

S-4XL

**DETAILS:** External labels. Cuffed neck. Round neck. Long sleeves. **REFLEX:** 50 mm wide flame retardant cut reflective tapes. Printed reflective tape. Reflective tape on body, sleeves and shoulders. **CERTIFICATION:** EN 1149-5. EN ISO 20471, Class 3. ISO 11612 A1, B1, C1.



### 3087

MULTINORM SWEATSHIRT



**1750** 60% Modacrylic, 39% cotton, 1% antistatic, jersey, flame retardant, antistatic, 300g/m<sup>2</sup>, Arc Rating 13,2 cal/cm<sup>2</sup>

**3300** Yellow

S-XXXL

**DETAILS:** External labels. Round neck. **REFLEX:** 50 mm wide transfer reflective tape. **FINISH:** Ribbed hem. Wristlet at sleeve end. **CERTIFICATION:** EN 1149-5. EN ISO 20471, S Class 2, M-XXXL Class 3. EN 61482-1-2, Class 1. ISO 11612 A1, B1, C2.







NEW!

3438

MULTINORM PIQUE LONG SLEEVES

**1726** 59% modacrylic, 39% cotton, 2% antistatic, pique knitted, flame retardant, antistatic, 220g/m<sup>2</sup>, Arc Rating 6,3 cal/cm<sup>2</sup>

**8933** Navy blue/Yellow

XS-4XL

**DETAILS:** External labels. Neck opening with buttons. Rib-knitted collar. **REFLEX:** 50 mm wide flame retardant cut reflective tapes. Printed reflective tape. **FINISH:** Wristlet at sleeve end. **CERTIFICATION:** EN 1149-5, EN ISO 20471, Class 1, ISO 11612 A1, B1, C1, IEC 61482-2, class 1.



NEW!

3459

MULTINORM SWEATSHIRT

**1760** 59% modacrylic, 39% cotton, 2% antistatic, Royal Rib antistatic Flame Retardant 310 g/ m<sup>2</sup>, Arc Rating 14,8 cal/cm<sup>2</sup>

**8933** Navy blue/Yellow

XS-4XL

**DETAILS:** External labels. Round neck. **REFLEX:** 50 mm wide flame retardant cut reflective tapes. Printed reflective tape. **FINISH:** Ribbed hem. Wristlet at sleeve end. **CERTIFICATION:** EN 1149-5, EN ISO 20471, Class 1, EN ISO 11612 A1, B1, C1, F1, IEC 61482-2, class 1.



3228

FLAME SHIRT

**1515** 54% modacrylic, 44% cotton, 2% antistatic, twill, flame retardant, antistatic, 180 g/m<sup>2</sup>, Arc Rating 6,4 cal/cm<sup>2</sup>

**8933** Navy blue/Yellow

S-XXXL

**DETAILS:** External labels. Shirt collar. **POCKETS:** Chest pockets with flap and button closure. **FRONT CLOSURE:** Front cover with hidden metal push buttons. **REFLEX:** Flame retardant reflective tapes sewn with double seams. **FINISH:** Adjustable sleeve end with hidden metal buttons. **CERTIFICATION:** EN 1149-5, EN ISO 20471, Class 1. Certified according to EN ISO 11611, Class 1 A1+A2, EN ISO 11612 A1, A2, B1, C1, E1, F1, IEC 61482-2, class 1.



NEW!

3482

FLAME RETARDANT T-SHIRT

**1717** 59% modacrylic, 39% cotton, 2% Other fibers, single jersey antistatic Flame Retardant 180 g/m<sup>2</sup>

**8900** Navy blue

XS-4XL

**DETAILS:** External labels. Round neck. **CERTIFICATION:** EN 1149-5, EN ISO 14116, index 3.



NEW!

3483

FLAME RETARDANT T-SHIRT LONG SLEEVES

**1717** 59% modacrylic, 39% cotton, 2% Other fibers, single jersey antistatic Flame Retardant 180 g/m<sup>2</sup>

**8900** Navy blue

XS-4XL

**DETAILS:** External labels. Round neck. **CERTIFICATION:** EN 1149-5, ISO 11612 A1, B1, C1.















## 3227

FLAME SHIRT



**1515** 54% modacrylic, 44% cotton, 2% antistatic, twill, flame retardant, antistatic, 180 g/m<sup>2</sup>, Arc Rating 6,4 cal/cm<sup>2</sup>  
**8900** Navy blue  
S-XXXL

**DETAILS:** External labels. Shirt collar. **POCKETS:** Chest pockets with flap and button closure. **FRONT CLOSURE:** Front cover with hidden metal push buttons. **FINISH:** Adjustable sleeve end with hidden metal buttons. **CERTIFICATION:** EN 1149-5. Certified according to EN ISO 11611, Class 1 A1+A2. EN ISO 11612 A1, A2, B1, C1, E1, F1. IEC 61482-2, class 1.



## 3374

FLAME RETARDANT PIQUE LONG SLEEVES



**1726** 59% modacrylic, 39% cotton, 2% antistatic, pique knitted, flame retardant, antistatic, 220g/m<sup>2</sup>, Arc Rating 6,3 cal/cm<sup>2</sup>  
**8900** Navy blue **9900** Black  
S-XXXL

**DETAILS:** External labels. Neck opening with buttons. Rib-knitted collar. **FINISH:** Wristlet at sleeve end. **CERTIFICATION:** EN 1149-5. ISO 11612 A1, B1, C1.



## 3074

MULTINORM SWEATSHIRT



**1750** 60% Modacrylic, 39% cotton, 1% antistatic, jersey, flame retardant, antistatic, 300g/m<sup>2</sup>, Arc Rating 13,2 cal/cm<sup>2</sup>  
**8900** Navy blue  
S-XXXL

**DETAILS:** Cuffed neck. Round neck. **FINISH:** Ribbed hem. Wristlet at sleeve end. **CERTIFICATION:** EN 1149-5. EN 61482-1-2, Class 1. ISO 11612 A1, B1, C1.



## 4898

UNDERWEAR TOP ZIP NECK SAFE



**1725** 59% modacrylic, 39% cotton, 2% antistatic, rib knitted, flame retardant, antistatic, 220g/m<sup>2</sup>, Arc Rating 4,44 cal/cm<sup>2</sup>  
**9900** Black  
XS-4XL

**FUNCTIONALITY:** Recommended temperature +5°C to -20°C. **DETAILS:** High collar with zipper. **FINISH:** Wristlet at sleeve end. **CERTIFICATION:** EN 1149-5. EN 61482-1-2, Class 1. ISO 11612 A1, B1, C1.



## NEW! 3498

UNDERWEAR TOP SAFE



**1725** 59% modacrylic, 39% cotton, 2% antistatic, rib knitted, flame retardant, antistatic, 220g/m<sup>2</sup>, Arc Rating 4,44 cal/cm<sup>2</sup>  
**9900** Black  
XS-4XL

**DETAILS:** Cuffed neck. Round neck. Long sleeves. **FINISH:** Wristlet at sleeve end. **CERTIFICATION:** EN 1149-5. ISO 11612 A1, B1, C1. IEC 61482-2, class 1.



## 1898

UNDERWEAR TROUSER SAFE



**1725** 59% modacrylic, 39% cotton, 2% antistatic, rib knitted, flame retardant, antistatic, 220g/m<sup>2</sup>, Arc Rating 4,44 cal/cm<sup>2</sup>  
**9900** Black  
XS-4XL

**FUNCTIONALITY:** Recommended temperature +5°C to -20°C. **DETAILS:** Fly. Elastic at waistline. **FINISH:** Cuffed trouser bottom. **CERTIFICATION:** EN 1149-5. EN 61482-1-2, Class 1. ISO 11612 A1, B1, C1.







1828

MULTINORM BRIEFS

**1725** 59% modacrylic, 39% cotton, 2% antistatic, rib knitted, flame retardant, antistatic, 220g/m<sup>2</sup>, Arc Rating 4,44 cal/cm<sup>2</sup>

**9900** Black

S-XXXL

**DETAILS:** Fly, Elastic at waistline. **CERTIFICATION:** EN 1149-5, EN 61482-1-2, Class 1, ISO 11612 A1, B1, C1.



NEW!

1825

LADIES BRA SAFE

**1722** 57% modacrylic, 37% cotton, 4% elastane, 2% antistatic, 1x1 rib antistatic Flame Retardant 335 g/m<sup>2</sup>

**8900** Navy blue

XS-XXXL

**DETAILS:** External labels, Fly. **FINISH:** Elastic bottom. **FABRIC:** Double fabric. **CERTIFICATION:** EN 1149-5, EN ISO 14116, index 3.



NEW!

1826

LADIES BOXER SHORTS SAFE

**1722** 57% modacrylic, 37% cotton, 4% elastane, 2% antistatic, 1x1 rib antistatic Flame Retardant 335 g/m<sup>2</sup>

**8900** Navy blue

XS-XXXL

**FUNCTIONALITY:** Women's cut. **DETAILS:** External labels, Fly, Elastic at waistline. **CERTIFICATION:** EN 1149-5, EN ISO 14116, index 3.



2038

MULTINORM BALACLAVA

**1725** 59% modacrylic, 39% cotton, 2% antistatic, rib knitted, flame retardant, antistatic, 220g/m<sup>2</sup>, Arc Rating 4,44 cal/cm<sup>2</sup>

**9900** Black

One size

**CERTIFICATION:** EN 1149-5, EN 61482-1-2, Class 1, ISO 11612 A1, B1, C1.



2036

MULTINORM COLLAR/BANDANA

**1725** 59% modacrylic, 39% cotton, 2% antistatic, rib knitted, flame retardant, antistatic, 220g/m<sup>2</sup>, Arc Rating 4,44 cal/cm<sup>2</sup>

**9900** Black

One size

**CERTIFICATION:** EN 1149-5, EN 61482-1-2, Class 1, ISO 11612 A1, B1, C1.



REVERSIBLE

NEW!

2039

MULTINORM BEANIE

**1760** 59% modacrylic, 39% cotton, 2% antistatic, Royal Rib antistatic Flame Retardant 310 g/m<sup>2</sup>, Arc Rating 14,8 cal/cm<sup>2</sup>

**8933** Navy blue/Yellow

One size

**DETAILS:** External labels, Reversible. **CERTIFICATION:** EN 1149-5, EN ISO 14116, index 3.





NEW!

**2227**

SOCK SAFE LIGHT



**1728** 49% modacrylic, 29% cotton, 19% polyamide, 2% antistatic, 1% elastane, terry knit, flameretardant, antistatic

**9900** Black

2-5, 6-8, 9-11, 12-14

**FUNCTIONALITY:** Ankle length sock. **PACKAGING:** Sold in pairs. **CERTIFICATION:** EN ISO 14116 index 2. EN 1149-5.

**2108**

ANTI FLAME ID-POCKET

**1507** 100% cotton, satin, flame retardant, antistatic, 350 g/m<sup>2</sup>

**9900** Black

One size

**DETAILS:** Removable ID-pocket for flame retardant clothes.



USE WITH 4039 AN-  
TI-FLAME BELT



NEW!

**1516**

LOOSE NAIL POCKETS



**1516** 85% cotton, 14% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m<sup>2</sup>, Arc Rating 8,2 cal/cm<sup>2</sup>

**9900** Black

One size

**FUNCTIONALITY:** To be attached to belt. **POCKETS:** Nail pockets - in three parts and extra wide.

**REINFORCEMENT:** Reinforced at bottom. **PACKAGING:** Sold in pairs. **FITS WITH:** Article 1478, 1578, 2608, 2678, 6378, 1869, 1724, Belt 4039.

**1514** 75% cotton, 24% polyester, 1% antistatic, twill, flame retardant antistatic, 350g/m<sup>2</sup>

**3300** Yellow **8900** Navy blue

One size

**FUNCTIONALITY:** To be attached to belt. **POCKETS:** Nail pockets - in three parts and extra wide.

**REINFORCEMENT:** Reinforced at bottom. **PACKAGING:** Sold in pairs. **FITS WITH:** Article 1478, 1578, 2608, 2678, 6378, 1869, 1724, Belt 4039.

**4039**

ANTI-FLAME BELT

**9900** Black

One size

**DETAILS:** Flame-retardant buckle with Blåkläder logo. Strong stretch material. **MEASUREMENTS:** Length 130 cm. Width 40 mm.

WHERE the 1516 Pocket is used with trousers, the trousers' certifications to EN ISO 11611, EN 13034 and/or EN ISO 11612 E no longer apply.



## SIZE TABLE

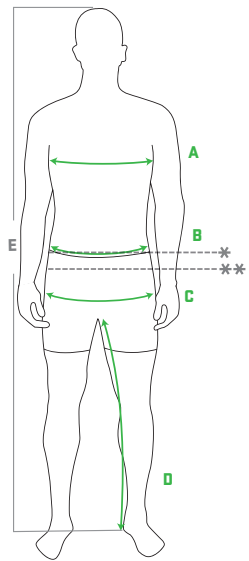
### MEN'S SIZES

Regular UK Size	XS		S	M		L	XL		XXL	3XL		4XL	5XL	6XL
Swedish size	28R	30R	32R	33R	34R	36R	38R	40R	42R	44R	46R	48R	-	-
B Waist	28	30	32	33	34	36	38	40	42	44	46	48	50	53
D Inside leg	30	31	31	32	32	32	32	33	33	34	34	35	-	-

Short UK Size	30S	32S	34S	36S	37S	39S	41S	43S	45S	47S	49S	51S	53S	55S
Swedish size	D84	D88	D92	D96	D100	D104	D108	D112	D116	D120	D124	D128	D132	D136
B Waist	30	32	34	36	37	39	41	43	45	47	49	51	52	54
D Inside leg	29	29	29	29	29	30	30	30	31	31	32	32	32	32

Long UK Size	32L	33L	34L	36L	38L	40L	42L
Swedish size	C146	C148	C150	C152	C154	C156	C158
B Waist	32	33	34	36	38	40	42
D Inside leg	33	33	33	34	34	34	35

Chest sizes	S	M	L	XL	XXL	3XL
UK Size	36-38"	40-42"	44-46"	48-50"	52-54"	56-58"



\*Normal waist \*\*Lower waist

## WASHING AND CARE INSTRUCTIONS – FOR LASTING FUNCTION AND DURABILITY

### WASH

Every product has specific washing instructions, which are important to follow. They are suited to the particular garment's material and design. Where the washing instructions say "wash separately", this should be done. Alternatively, the garment can be washed with similar colours.

Blåkläder estimates that woven materials will shrink up to 3% and knitted material/jerseys up to 5%. Avoid shrinkage by ironing your clothes after washing them. Certain clothes may need to be shaped somewhat to retain their form. It is also important that zips, buttons and Velcro closures are closed when the garment is washed. This reduces wear and tear and lengthens the garment's life.

### DETERGENT

Use laundry detergent for coloured garments. Do not use laundry detergent containing bleach or soap. Check that the laundry detergent is intended for the garment's wash temperature. Follow the washing instructions on the laundry detergent pack.

We do not recommend the use of fabric softeners on flame retardant garments as it affects the flame retardant negatively.

### INDUSTRIAL WASH

Industrial wash involves a large scale, professional laundry environment, in contrast to home laundry. Garments labelled

"industrial wash" are suitable for this type of laundry. The ISO 15797 certification deals with industrial washing & drying, temperature, detergents and reactive substances which may be used. We recommend a trial wash at the intended laundry.

### HIGH VIS/FR GARMENTS

Soiling impairs the visibility of the High vis garment. For this reason, it is important to wash them frequently and to follow the washing instructions. Control the garment after wash. High vis/FR garments can be stored in a dry, well-ventilated space. Where garments need repairing, this must be done using fabric and thread that meets the garment's standard.





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