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OUR PHILOSOPHY

Our clothes are innovative in several ways. We put a lot of thought into function and ergonomics. The two terms go hand in hand; clothes that are ergonomically correct are also more functional. Our products both feel good and look good.

For many years work clothes have been associated with tool vests and large trouser pockets. However, carrying an entire tool box in your clothes soon wears out the shoulders and hips, resulting in numbness in the arms and legs. Our aim is to prevent strain injuries by distributing the weight of tools, measuring instruments, nails and screws etc. A smart and flexible carrying system such as ProJobs Inbags makes work safer, more efficient and more enjoyable. Working clothes have to withstand many stresses and strains. We use strong, well-tested materials in our clothes and carefully inspect them at the seams. The details in our garments look good – but they always have a function. For example, the areas that become worn while working are reinforced. You can read more about the details further on in the catalogue. View them as a guarantee of durability and the best feeling at work. New times set new requirements. The boundary between different jobs and occupational categories is becoming erased. Flexibility, personality and professionalism are the new requirements. A fundamental idea behind our designs are that the clothes that one works in should also look respectable. For the fact is that all employees represent the company's outward face.

JOB SATISFACTION

If you enjoy what you're doing you do it better. The clothes we work in are very important for our job satisfaction and effectiveness. Creating job satisfaction is probably the best investment an employer can make. People who feel work is enjoyable develop both themselves and the company in which they work. Feeling well-dressed and, above all, correctly dressed, makes the job easier and more pleasurable.

QUALITY, FUNCTION AND ERGONOMICS

Wearing appropriate protection at work is a good investment, for the employer as well as the employee. Be it the proper type of undergarments to protect against hypothermia, kneepads to decrease the risk of knee damages or correct flame retardant garments to protect the body in case of an accident or just bad luck.

Ever since the start, it has been ProJob's vision to deliver high-quality products that provide professionals an environment where they can work safely and protect their bodies. Unnecessary injuries, illnesses or strains are not just unnecessary; they also cost employers a lot of money.

ProJob now takes the next step and launches a collection of flame retardant garments. In this brochure you will find clothing made of materials especially developed to fulfil very high standards for flame retardant clothing.

When developing these garments we put just as much effort as we always do into creating shapes that fit your body and at the same time allow you freedom of movement in your daily work. Our flame retardant garments live up to high-set standards and are all EN ISO 11612 certified. Most of them are also EN 1149-5, EN 13034, EN 61482 and EN 471 certified.

Of course ProJob does it utmost to contribute to a sustainable development. Thanks to our new flame retardant materials we no longer need to use the type of chemicals otherwise associated with workwear. Instead, we use inherent flame protection that does not wash our wear off and thus ends up in the groundwater or in nature.

CERTIFICATION

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ELECTRIC ARC TESTING, EN 61482-1-2:2007



Certified and approved garments suitable for use in working environments where there is risk of electric arcs.

The garments are tested according to en 61482-1-1,

the so-called box test where the arc is directed to imitate a real life situation. Class 1:4 a, class 2:7 a (voltage: 400v, arc duration: 500ms).

Electric arcs are responsible for about 40 % of all electrical accidents. An electric arc can reach temperatures of several thousand degrees. Inflammable materials around an electric arc are therefore easily ignited and cause fires.

In working environments and situations where there is risk of an electric arc, for example when operating switchgear and switchboards without sufficient safety features or when working close to a live section of a plant, it is therefore recommended that the staff wears appropriately tested protective garments.

The garments must be worn as an ensemble, for example jacket and trousers together with other protective equipment, to achieve the proper level of protection and there are specific design requirements. These garments are PPE Category III according to the PPE Directive. Annual inspection of the production is required and implement by public agency.

EN 1149-5:2008



Certified and approved garments to protect against electrostatic charges. Suitable for working environments where there is risk of explosion, for example in refineries.

The garments are tested in accordance with EN 1149-1 or EN 1149-3. The garments are EN 149-5 certified.

This standard requires better safety against formation of sparks and therefore there are specific design requirements:

- The garments must permanently cover all materials that are not electrostatically protected.
- Additions such as labels and retroreflective stripes must be permanently attached. No loose hanging parts are allowed.
- Electrically conductive parts (zippers, buttons, etc.) are allowed if they are completely covered electrostatic protective material.

The garments must be worn as a full ensemble, for example jacket and trousers, to achieve the proper level of protection. Safety shoes are recommended.

EN ISO 14116:2007 (EN 553)



Certified and approved garments to protect the user when in contact with heat and flames. Suitable for industrial workers and electricians.

The garment's resistance to flame and flame spread. Index 1 = a, b, c

a) No flaming or hole formation to top or side edge.

b) No flaming debris.

c) No afterglow.

EN ISO 11612:2008 A1, B1, C1, (EN 531)



Certified and approved garments to protect the user when in contact with heat and flames. Suitable for industrial workers and electricians.

A1: The garment's resistance to flame and flame spread is tested and approved according to EN 532 or ISO 15025. EN 531 and EN ISO 11612 a1 are the same level.

B1: The garment's protection against convective heat is tested and approved according to EN 367 or ISO 9151. Convective heat means the heat that is transferred through the garment when exposed to flame. Injuries may occur due to the heat that builds up when the fabric and, indirectly, the body is exposed to the flame, even if the outer material cannot catch fire. Class B1 = 4-10 seconds.

C1: The garment's protection against radiant heat is tested and approved according to EN 366 or ISO 6942. Low radiant heat over an extended period of time may cause injury. The garment's heat transmission of radiant heat is tested. Class C1 = 7-20 seconds.

The garments must be worn as a full ensemble, for example jacket and trousers, to achieve the proper level of protection.

EN 13034:2005, TYP PB* [6]



Certified and approved chemicals protective clothing offering limited protective performance against liquid chemicals. Intended for use in cases of a potential exposure to low volume splashes.

Suitable for use in cases of potential exposure to small quantities of liquid chemicals, but where a complete liquid permeation barrier is no required.

The following chemicals have been tested according to EN 14325: • Sulphuric acid H2SO4, 30 %

- Sodium Hydroxide, NaOH, 30 %
- o-Xylene, undiluted
- 1-butanol, undiluted

*PB = Partial Body Protection

The garments must be worn as a full ensemble, for example jacket and trousers, to achieve the proper level of protection and have specific design requirements.

Welding sparks, flames and electric arcs are hard on any garment, but even harder on the human skin. The following pages show ProJob's collection of garments that protect against almost anything and are certified according to the latest European standards.

MATERIALS

MATERIAL

Flame-retardants are used to hinder materials from catching on fire or to limit flame spread, but they do not make the materials completely incombustible. There are different methods of flame treatment and different kinds of materials. At ProJob, we have opted for the latest technology where the flame protection is built into the fibres of the fabric. That is, it is not applied to the surface of the fabric as with regular flame treated garments. Therefore, it cannot be washed or rubbed out which makes the flame protection last longer.

Most of our garments are made of modacrylic, cotton and antistatic fibres. Upon contact with fire they release a gas that disperses the oxygen and the flames are smothered without afterglow. The flames do not spread outside the charred area and there is no flaming debris that may stick to the user's skin.

Undergarments and socks are made of wool and Lenzing FR[®], a viscose fibre with inherent flame protection with the same qualities as mentioned above.

INFORMATION

Flame treatment is used to prevent flames from spreading, not to protect the body against heat for a long period of time. However, a flame retardant garment can protect against heat a certain amount of time. If used in combination with flame retardant undergarments, this amount of time doubles. The garments must always be worn buttoned / zipped up and user protection is reduced if worn together with non-flame retardant garments. Before use, the user should check the garment for any damages. The user should also be aware of how to take the garment off quickly in case of accident.

We recommend welders to use a leather welding apron to protect the garments from welding sparks. A wet, dirty or sweaty garment provides inferior protection and the garments should therefore be washed often. A garment that has been exposed to flame is depleted and must be replaced. Any mending must be done using material with the same protective standard as the garment. Transfer printing and embroidery may affect a garment's protection. Consult the printer so that the protection is not compromised. Different professions have different protective needs regarding workwear and protective clothing.

COLLECTION GUIDE

WHAT TYPE OF CLO- THING IS SUITABLE FOR YOUR OCCUPATION?	Electric	Driving/Depot	Refinery	Offshore	Line Fitting	Gas station	Energy, heating, gas	Mining	Railroad/ Roadwork*
8402 Jacket	•	•	•	•	•	•	•	•	•
8404 Lined Jacket	•	•	•	•	•	•	•	•	•
8503 Trousers	•	•	•	•	•	•	•	•	•
8504 Trousers	•	•	•	•	•	•	•	•	•
8001 Undershirt longsleeve	•	•	•	•	•	•	•	•	•
8101 Undershirt shortsleeve	•	•	•	•	•	•	•	•	•
8102 Long Underpants	•	•	•	•	•	•	•	•	•
8103 Boxer Shorts	•	•	•	•	•	•	•	•	•
8901 Socks Thick	•	•	•	•	•	•	•	•	•
8902 Socks	•	•	•	•	•	•	•	•	•
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* provided that EN ISO 11611 is not required

FLAME RETARDANT



Extended back prevents a gap between top and bottom.



Bent breast pocket with inner phone pocket.

Zip collar jacket with quited lining Breast pocket with lid and ID card holder

8404 LINED FLAME RETARDANT HIGH VISIBILITY JACKET

Lined zip collar jacket. Placket with snap buttons in the front. Two breast pockets; the left one ergonomically shaped with inner phone pocket, the right one ready for ID card holder. Two deep zipped side pockets. Adjustable drawstring bottom and Velcro cuffs. D ring in the front. Large right hand side inner pocket and smaller left hand side inner pocket, as well as phone pocket. Extended back. The jacket can be used in combination with trouser 8503 or 8504.

Material: 54 % modacrylic, Protex[®], 44 % cotton, 2 % antistatic Safety class: EN ISO 11612 Class A1, B1, C1, EN 1149-5, EN 13034 type PB [6], EN 471 Class 3 certified and IEC 61482 Class 1. Colour: ProJob yellow-10 Size: XS - XXXL





1. Integrated pockets with room for phone and ID card.

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- **2.** Inherent flame protection.
- **3.** Outer pockets that can be tucked away.
- **4.** Pre-shaped knees with kneepad pockets

8503 FLAME RETARDANT HIGH VISIBILITY TROUSERS

Two hanging nail pockets that can be tucked away; one with extra pockets and one with tool loops. Leg pockets with phone pocket, pencil pocket and tool pocket. Two adjustable hammer loops. Two D rings. Folding rule pocket with tool pocket and knife button. Pre-shaped knees. Kneepad pockets that open from the inside and are height adjustable. The back pockets and leg pockets have loops for inbags. Back pockets, one with lid.

Material: 54 % modacrylic, Protex[®], 44 % cotton, 2 % antistatic Safety class: EN ISO 11612 Class A1, B1, C1, EN 1149-5, EN 13034 type PB [6], EN 471 Class 2 certified and IEC 61482 Class 1. Colour: ProJob yellow-10 Size: C44-C62, D84-D120, C146-C156



Ergonomically shaped upper back.





Outer pockets to make as much

8402 FLAME RETARDANT HIGH VISIBILITY JACKET

Zip collar jacket without lining. Placket with snap buttons in the front. Two breast pockets; the left one ergonomically shaped with inner phone pocket, the right one ready for ID card holder. Two deep zipped side pockets. Adjustable drawstring bottom and Velcro cuffs. D ring in the front. Large right hand side inner pocket and smaller left hand side inner pocket, as well as phone pocket. Extended back. The jacket can be used in combination with trouser 8503 or 8504.

Material: 54 % modacrylic, Protex[®], 44 % cotton, 2 % antistatic Safety class: EN ISO 11612 Class A1, B1, C1, EN 1149-5, EN 13034 type PB [6], EN 471 Class 3 certified and IEC 61482 Class 1. Colour: ProJob yellow-10 Size: XS - XXXL







PRO TEC[™]





8504 FLAME RETARDANT HIGH VISIBILITY TROUSERS

Trousers with side pockets and no front pleats. Leg pockets with phone pocket, pencil pocket and tool pocket. Two adjustable hammer holders. Two D rings. Folding rule pocket with tool pocket and knife button. Pre-shaped knees. Kneepad pockets that open from the inside and are height adjustable. The back and leg pockets have loops for inbags. Back pockets with lids.

Material: 54 % modacrylic, Protex[®], 44 % cotton, 2 % antistatic
Safety class: EN ISO 11612 Class A1, B1, C1, EN 1149-5, EN 13034 type PB
[6], EN 471 Class 2 certified and IEC 61482 Class 1.
Colour: ProJob yellow-10
Size: C44-C62, D84-D120, C146-C156







Moisture wicking material with non-chafing seams.



and bottom.

PRO DRY **

8103 FLAME RETARDANT BOXER SHORTS

Boxer shorts with elastic waist.

Material: 50 % wool, 50 % viscose, Lenzing FR® Safety class: EN ISO 11612:2008, A1 B1 C1 certified. Colour: blue melange-54 Size: XS - XXXL





PRO DRY T

8001 FLAME RETARDANT SHORTSLEEVE UNDERSHIRT

Shortsleeve round neck undershirt. Ribbing at the neck and cuffs.

Material: 50 % wool, 50 % viscose, Lenzing FR® Safety class: EN ISO 11612:2008, A1 B1 C1 certified. Colour: blue melange-54 Size: XS - XXXL





PRO DRY ™



54

PRO DRY ™

8102 FLAME RETARDANT LONG UNDERPANTS

Long underpants with cuffs. Elastic waist.

Material: 50 % wool, 50 % viscose, Lenzing FR® Safety class: EN ISO 11612:2008, A1 B1 C1 certified. Colour: blue melange-54 Size: XS - XXXL





8901 FLAME RETARDANT SOCK

Flame retardant sock with shock absorbing padding at the heel, toe and sole. Knitted in a Lenzing FR® and Kermel® blend for superior durability and comfort. Moisture wicking material to keep your feet dry and elastic arch for optimal fit. Antibacterial treated.

Material: 41 % aramid, Kermel[®], 41 % viscose, Lenzing FR[®], 17 % nylon, 1 % Lycra[®] Safety class: Meets the requirements of BS Index 2 (BS EN 533:1997). Colour: black-99 Size: 36-39, 40-45, 46-48

8902 FLAME RETARDANT SOCK

Flame retardant sock in a Lenzing $\mathsf{FR}^{\circledast}$ and Kermel^{\circledast} blend for superior durability and comfort. Moisture wicking material to keep your feet dry and elastic arch for optimal fit. Antibacterial treated.

Material: 41 % aramid, Kermel[®], 41 % viscose, Lenzing FR[®], 17 % nylon, 1 % Lycra[®]

Safety class: Meets the requirements of BS Index 2 (BS EN 533:1997). Colour: black-99 Size: 36-39, 40-45, 46-48









SIZE GUIDE

MEN REGULAR										
	S		м		L		XL		XXL	
Size	C44	C46	C48	C 50	C52	C54	C56	C58	C6 0	C62
Chest (")/cm	34.5/88	36/92	38/96	39.5/100	41/104	42.5/108	44/112	45.5/116	47/120	49/124
Waist (") /cm	30/76	31.5/80	33/84	34.5/88	36/92	38/97	40/102	42.5/108	45/114	47/120
Hip (")/cm	37/94	38.5/98	40/102	41.5/106	43/110	45/114	46.5/118	48/122	49.5/126	51/130
Inside leg (")/cm	30/76	30.5/78	31/79	31.5/80	31.5/81	32/82	32.5/83	32.5/83	33/84	33/84
Size conversion to inches	29/32	30/32	31/32	32/32	34/34	36/34	38/34			
MEN TALL										
Size		C146	C148	C150	C152	C154	C156			
Chest (")/cm		36/92	38/96	39.5/100	41/104	42.5/108	44/112			
Waist (") /cm		31.5/80	33/84	34.5/88	36/92	38/97	40/102			
Hip (")/cm		38.5/98	40/102	41.5/106	43/110	45/114	46.5/118			
Inside leg (")/cm		32.5/83	33/84	33.5/85	34/86	34/87	34.5/88			
Size conversion to inches		30/34	31/34	32/34	34/36	36/36	38/36			
MEN SHORT										
Size	D84	D88	D92	D96	D100	D104	D108	D112	D116	D120
Chest (")/cm	33/84	34.5/88	36/92	38/96	39.5/100	41/104	42.5/108	44/112	45.5/116	47/120
Waist(") /cm	30.5/78	32/82	34/86	35.5/90	37/94	38.5/98	40.5/103	42.5/108	45/114	47/120
Hip (")/cm	37/92	38/96	39.5/100	41/104	42.5/108	44/112	45.5/116	47/120	49/124	50.5/128
Inside leg (")/cm	28.5/72	28.5/73	29/74	29.5/75	30/76	30.5/77	30.5/78	31/79	31/79	31.5/80
Size conversion to inches	29/30	30/30	31/30	32/30	34/30	36/32	38/32	40/32	42/32	

SIZE KEY GARMENTS

		,		,	
Men	Men	Women	Women	Shirts, neck	width cm and inches
		32	XS		
XS	40-42	34-36	S	35–36	13.5-14
S	44-46	38-40	Μ	37–38	14.5-15
Μ	48-50	42-44	L	39–40	15.5-16
L	52-54	46-48	XL	41–42	16-16.5
XL	56-58	50-52	XXL	43–44	17-17.5
XXL	60-62	54	XXXL	45–46	17.5-18
XXXL	64-66			47–48	18.5-19

WOMEN					
Size	C34	C36	C38	C40	C42
A Chest measurement (")/cm	31.5/80	33/84	34.5/88	36/92	38/96
B Waist measurement (")/cm	26/66	27/69	28.5/72	30/76	31.5/80
C Hip measurement (")/cm	35.5/90	36.5/93	38/96	39/99	40/102
D Crotch length (")/cm	30/76	30/77	31/78	31/79	31.5/80
Size	C44	C46	C48	C50	
Size A Chest measurement (")/cm	C44 39.5/100	C46 41/104	C48 43/110	C50 45.5/116	
Size A Chest measurement (")/cm B Waist measurement (")/cm	C44 39.5/100 33/84	C46 41/104 34.5/88	C48 43/110 36.5/93	C50 45.5/116 39/99	
Size A Chest measurement (")/cm B Waist measurement (")/cm C Hip measurement (")/cm	C44 39.5/100 33/84 41.5/106	C46 41/104 34.5/88 43/110	C48 43/110 36.5/93 45/115	C50 45.5/116 39/99 47/120	
Size A Chest measurement (")/cm B Waist measurement (")/cm C Hip measurement (")/cm D Crotch length (")/cm	C44 39.5/100 33/84 41.5/106 32/81	C46 41/104 34.5/88 43/110 32/82	C48 43/110 36.5/93 45/115 32.5/83	C50 45.5/116 39/99 47/120 33/84	



CARE INSTRUCTIONS

WASHING INSTRUCTIONS

- We recommend industrial washing for these flame-retardant garments. Otherwise, flame-retardant garments must always be washed according to the washing instructions on the garment.
- Flame-retardant garments must not be washed with soap powder and rinsing agent or with chlorine. To retain the protective effect only use synthetic detergent.
- Garments with reflectors must always be washed separately and with the inside out.

INFORMATION

- A wet, dirty or sweaty garment provides inferior flame-retardance. It must therefore be washed regularly.
- Once a garment has been exposed to flame it is ruined. Even though damage might not be obvious, the fabric has become brittle and weakened. Holes can then arise during washing.
- Any repairs to the garment are only to be made with fabric that fulfils the minimum requirements specified in the garment's standard; e.g. a garment certified according to EN ISO 11612 may only be repaired with fabric that meets the requirements in EN ISO 11611.
- Transfers and embroidery can be put on antistatic garments (certified according to EN 1149-5), e.g. our jackets and trousers, however this is restricted to a small embroidery/transfer (4 cm²). Transfers and embroidery affect the protective capacity. Consult therefore with whoever is marking the garment to ensure that it will not impair the protection.
- Large transfers or embroidery are not to be placed on Hi-Vis garments (certified according to EN 471) as the surface of fluorescent material must be of a certain size to achieve the class for which it is certified.
- Our reflectors are flame-retardant and approved according to EN 1149-3, EN ISO 14116, EN 469 and EN 471.
- All linings in our flame-retardant garments are approved according to EN ISO 14116.
- None of our products contain PBBs (polybrominated biphenyles) or PBDEs (polybrominated diphenyl ethers).

QUALITY. FUNCTION. ERGONOMICS.

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