



# Welding protection

**Hard-wearing, flame-resistant protective wear made from innovative fibre blends with an all-round service**

**Published by:****CWS Workwear International GmbH**

Dreieich Plaza 1A  
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Germany

# Protective wear saves lives!

**Provided it is adapted to the workplace, is a good fit, is worn on the job and is functional.**

Protective wear is subject to legal rules and regulations on body protection, compliance with which is the employer's responsibility. Specifically, all job-specific risks must be assessed. On this basis, workers must receive the most appropriate protective equipment from their employers. Every day. So even after repeated use and washing. Whether a pair of work trousers still provides the best possible protection after three months' wear, i.e., is really up to the job, is something that the wearer cannot ascertain, and neither can the employer usually. But CWS can.

Protective wear is not only professionally maintained in our laundries, but above all checked by trained staff. Damaged areas will be mended whenever possible. If, however, this proves impossible due to the protective properties of the clothing, it will be automatically replaced.

We keep all protective wear in stock in all sizes, lengths and colours in order to be able to supply customers with replacement goods quickly and flexibly.

EN 61482-1-2



EN 1149



EN ISO 11612



EN ISO 11611



EN 13034 Typ 6



**Our service cycle on p. 45 shows you that this is running perfectly at CWS.**



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**CWS service cycle 45**



**Please note**

As an employer, you are required to carry out a risk assessment for each workplace and select personal protective equipment that provides an equivalent or higher level of protection. Our specialist advisors and PPE experts will be happy to give you non-binding advice at any time and, above all, with pleasure.



**Our logo service**

We will apply the logo of your company or association to the clothing, or the employees' names and provide a CI-compliant design as well as standard-compliant attachment. This increases the recognition value among your customers and creates trust.

# Choose well - protect well



“Alpha Welding 1” Work jacket and waistband trousers in dark blue

**Protective welding clothing protects the wearer against minor metal splash (welding spatter), against brief contact with flames, against radiation heat of welding arcs and provides limited electrical insulation**

- Class 1 protective clothing protects wearers during occasional welding; class 2 clothing during frequent welding.
- Welding clothes must fully cover the upper and lower body, neck, arms and legs.
- Protective welding clothing must be designed so that there is no electrically conductive connection between the inside and outside.
- Fasteners must be concealed, pockets, if any, must be fitted with flaps covering the pocket openings by 10 mm on each side.
- Side slant pockets below the waist may not have slants that protrude forward more than 10 degrees beyond the side seam.

## Class

### 1

#### Protection during less risky welding work

- Gas fusion welding
- TIG welding
- MIG welding
- Hard soldering
- Spot welding
- MMA welding (manual arc welding) with a rutile coated electrode

#### Operation of machines, e.g.:

- Oxygen cutting machines
- Plasma cutting machines
- Resistance welding machines
- Table welding
- Machines for thermal spray welding

## Class

### 2
























#### Protection during high-risk welding operations

- MAG welding with CO<sub>2</sub> or mixed gases
- MIG welding with heavy current
- Self-shielded flux-cored arc welding
- Plasma cutting
- Gouging
- Oxygen cutting
- Thermal spray welding
- MMA welding with electrodes with basic or cellulose coating

#### Risky work situations, e.g.:

- Overhead welding or cutting or working in forced postures.
- Confined spaces

# Protection classes at a glance

	 EN 61482-1-2	 EN 1149-5	 EN ISO 11612			 EN ISO 11611		 EN 13034				
	Arc	Electrostatic charge	Heat	Flames	Sparks	Molten metal splash	Weld spatter	Oils	Bases	Solvents	Acids	
<b>EN ISO 11611</b> <b>Class 1</b> Protection against less risky welding operations and situations with low weld spatter and little radiation heat.			<b>Alpha Welding 1</b> Protective welding clothing made of flame-retardant cotton					 				
<b>proFlex4 Essence</b> Extremely hard-wearing welding clothing with arc flash protection based on Kevlar® and Nomex®.												
<b>proFlex4 Advanced</b> Extremely hard-wearing protective welding clothing with arc flash protection based on Kevlar® and Nomex® with additional reflective zones for better visibility.												
<b>EN ISO 11611</b> <b>Class 2</b> Schutz gegen stärker gefährdete Schweißarbeiten und Situationen mit mehr Schweißspritzern und starker Strahlungshitze			<b>Alpha Welding 2</b> Robust protection with anti-static properties, made of flame-retardant cotton and polyester, with reflective stripes for better visibility.					  				
			<b>Pure Welding 2</b> Extremely hard-wearing welding clothing designed for confined spaces or overhead work, made of flame-retardant cotton with polyamide and proFlex4 reinforcements.					  				

# Class

# 1



# Alpha Welding 1

**“Alpha Welding 1” work jacket and waistband trousers in dark blue**

Please note that workwear only protects against the risks of welding when worn completely closed.

## Protective welding clothing made of 100% flame-resistant cotton with Proban finish

Thanks to the natural fibre cotton, “Alpha Welding 1” is soft to the touch, breathable and comfortable to wear with a straight, casual cut. The satin weave affords the fabric's upper side its characteristic silky, shiny look.

The probanised cotton with a special FR treatment is particularly robust and offers welders reliable

protection against radiation heat, weld spatter and molten iron splash.

“Alpha Welding 1” is ideal for observational or light welding work and offers excellent value for money.

### Benefit from:

- Excellent value for money
- High level of wearing comfort
- Easily combinable, single-colour collection
- Many practical pockets for stashing tools and job aids
- Knee pad pockets on all trousers

## For occasional welding work

### Protects against:

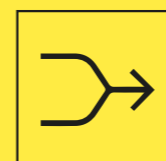
- Heat
- Flame treatment
- Convective heat
- Weld spatter
- Molten metal splash
- Radiation heat
- Contact heat



**EN ISO 11612**  
A1, B1, C1, E2, F1



**EN ISO 11611**  
Class 1



Can be combined with **“Alpha Welding 2”** for hard-wearing, heavy-duty protection against high-risk welding.

1

Class

Alpha Welding 1

# Work jacket

EN ISO 11612  
A1, B1, C1, E2, F1EN ISO 11611  
Class 1

**Dark grey:**  
1004507

**Dark blue:**  
1004503

## Special features

- Turn-down collar with snap closure
- Straight cut, front and back yoke
- Front with concealed press studs
- Snap adjustment cuffs
- 1 chest patch pocket with flap and concealed press stud on the left
- Front patch pockets with flap and concealed press stud
- 1 inside breast pocket on the left
- Standards symbols on the left sleeve

## Material

335 g/m<sup>2</sup>  
100 % FR cotton

## Sizes

36/38–68/70

Alpha Welding 1

# Waistband trousers



With knee pad pockets

EN ISO 11612  
A1, B1, C1, E2, F1EN ISO 11611  
Class 1

**Dark grey:**  
1004506

**Dark blue:**  
1004502

## Special features

- Set-on waistband with belt loops
- Adjustable elasticated waistband
- Straight cut, back trousers with hip saddle
- Knee pad pockets with inner liner
- Waistband with concealed button fastening, front fly with concealed zip
- 1 hip patch pocket with flap and concealed press stud on the right
- Side slant pockets
- 1 patched, reinforced bellows pocket with flap and concealed press stud on the right
- 1 patched, reinforced bellows leg pocket with flap and concealed press stud on the left
- Standards symbols on the left leg pocket

## Material

335 g/m<sup>2</sup>  
100 % FR cotton

## Sizes

19-33 | 38-72 | 84-122

Alpha Welding 1

# Dungarees

EN ISO 11612  
A1, B1, C1, E2, F1EN ISO 11611  
Class 1

**Dark grey:**  
1004508

**Dark blue:**  
1004504

## Special features

- Set-on bib, with set-in waistband, overlapping at the back
- Straight cut, back trousers with outer waistband
- Knee pad pockets with inner liner
- Elastic straps adjustable with buckles, side openings with concealed button and press stud fastening
- Front fly with concealed zip
- 1 bib patch pocket with flap and concealed press stud
- 2 side slant pockets
- Bib inside with belt loops
- 1 patched, reinforced bellows bib pocket with flap and concealed press stud
- on the right
- 1 patched, reinforced bellows leg pocket with flap and concealed press stud on the left
- 1 hip patch pocket with flap and concealed press stud on the right
- Standards symbols on the left leg pocket

## Material

335 g/m<sup>2</sup>  
100 % FR cotton

## Sizes

19-33 | 38-72 | 84-122

Alpha Welding 1

# Overalls

EN ISO 11612  
A1, B1, C1, E2, F1EN ISO 11611  
Class 1

**Dark grey:**  
1004509

**Dark blue:**  
1004505

## Special features

- Turn-down collar with snap closure
- Straight cut, front and back yoke, set-in waistband that is elasticated at the back
- Knee pad pockets with inner liner
- Snap adjustment cuffs
- Straight cut, side access with concealed press studs
- 2 chest patch pockets with flap and concealed press stud, left with bellows
- Front with concealed press studs
- Reinforced front patch pockets with flap and concealed press stud
- 1 hip patch pocket with flap and concealed press stud on right side
- 1 patched, reinforced bellows pocket for folding ruler, with flap and concealed press stud on the right
- 1 patched, reinforced bellows leg pocket with flap and concealed press stud on the right
- Standards symbols on the left sleeve

## Material

335 g/m<sup>2</sup>  
100 % FR cotton

## Sizes

36/38-68/70

## Extremely hard-wearing protective welding clothing with arc flash protection based on Kevlar® and Nomex®

Aramid fibres feature high specific (weight-related) strength, low-density, high-impact strength, good heat resistance and dimensional stability. They can absorb energy and heat well. On contact with flames, the fabric inflates, gains volume and protects the wearer.

With the “proFlex4 Essence”, you are opting for a very robust, comfortable welding clothing whose

high-performance fibres offer the same protection as a heavy, flame-resistant cotton quality made of 420 g/m<sup>2</sup>.

The “proFlex4 Essence” offers additional protection against arc flash and is ideal for observational or light welding and grinding work.

### Benefit from:

- Easily combinable, single-colour collection
- Robust high-performance fabric
- Enormous tear and cut resistance thanks to Kevlar® content
- Antistatic properties, also suitable for explosive work environments
- Many practical pockets for stashing tools and job aids
- Knee pad pockets on all trousers

## For occasional welding and grinding work

### Protects against:

- Heat
- Flame treatment
- Convective heat
- Weld spatter
- Molten metal splash
- Radiation heat
- Contact heat
- Electric arcs (4 kA)
- Acids
- Bases
- Solvents
- Oils

# proFlex4 Essence

“proFlex4 Essence” work jacket and waistband trousers in dark blue/grey



EN 61482-1-2  
Class 1; 4 kA



EN 1149-5



EN ISO 11612  
A1, B1, C1, E2, F1



EN ISO 11611  
Class 1



EN 13034  
Type 6



proFlex4 Essence gown  
only EN ISO 11612  
and EN ISO 11611



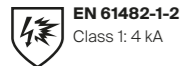
Can be combined with the industrial and craft clothing “metal workers” and the machine protection clothing “machine operators”.

1

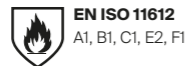
Class

proFlex4 Essence

# Work jacket

EN 61482-1-2  
Class 1: 4 kA

EN 1149-5

EN ISO 11612  
A1, B1, C1, E2, F1EN ISO 11611  
Class 1EN 13034  
Type 6

Dark blue/grey:  
1002607

Dark blue:  
1002605

Blue:  
1002602

## Special features

- Turn-down collar, undercollar in contrasting colour
- Straight cut
- Front and back yoke, dividing seams at back
- Front with 6 concealed press studs
- Sleeve cuffs with press stud, 2-way adjustable
- 2 chest patch pockets with flap and concealed press studs
- 2 side patch pockets with flap and concealed press stud
- Hem with press stud adjustment
- 1 inside pocket with press stud on the left

## Material

330 g/m<sup>2</sup>  
58 % aramid | 41 % FR viscose | 1 % carbon

## Sizes

19-33 | 38-72 | 84-122

proFlex4 Essence

# Waistband trousers

EN 61482-1-2  
Class 1: 4 kA

EN 1149-5

EN ISO 11612  
A1, B1, C1, E2, F1EN ISO 11611  
Class 1EN 13034  
Type 6

Dark blue:  
1002606

Blue:  
1002603

## Special features

- Set-on waistband with concealed button fastening and zip
- Straight cut
- Set-on thigh reinforcement with integrated knee pad pocket
- Side slant pockets with concealed press studs
- 1 hip patch pocket with flap and concealed press studs on the right
- 1 leg patch pocket with flap and concealed press studs on the left
- 1 patch pocket for folding ruler with flap and concealed press studs on the right

## Material

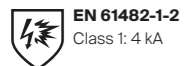
330 g/m<sup>2</sup>  
58 % aramid | 41 % FR viscose | 1 % carbon

## Sizes

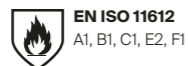
19-33 | 38-72 | 84-122

proFlex4 Essence

# Dungarees

EN 61482-1-2  
Class 1: 4 kA

EN 1149-5

EN ISO 11612  
A1, B1, C1, E2, F1EN ISO 11611  
Class 1EN 13034  
Type 6

Dark blue/grey:  
1002608

Blue:  
1002604

## Special features

- Straight cut
- Set-on thigh reinforcement with integrated knee pad pocket
- Stretch zone at the sides
- Front fly with concealed zip
- Stretch straps with buckles
- Side slant pocket with concealed press stud
- Bib patch pocket with flap and concealed press stud
- 1 hip patch pocket with flap and concealed press studs on the right
- 1 leg patch pocket with flap and concealed press studs on the left
- 1 patch pocket for folding ruler with flap and concealed press studs on the right

## Material

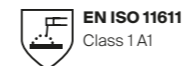
330 g/m<sup>2</sup>  
58 % aramid | 41 % FR viscose | 1 % carbon

## Sizes

19-33 | 38-72 | 84-122

proFlex4 Essence

# Men's gown

EN ISO 11612  
A1, B1, C1, E2, F1EN ISO 11611  
Class 1 A1

Dark blue/grey:  
1002609

## Special features

- Stand-up collar with concealed press stud
- Straight cut
- Front yoke in trim colour
- Back open from yoke edge
- Waist held in place with elastic back strap and buckle
- Front with concealed press studs
- Sleeves with longer set-in and windblock
- Snap adjustment cuffs

## Material

330 g/m<sup>2</sup>  
58 % aramid | 41 % FR viscose | 1 % carbon

## Sizes

2XS-4XL



# proFlex4 Advanced

“proFlex4 Advanced” dungarees in dark grey, T-shirt from the Basic range

Please note that workwear only protects against the risks of welding when worn completely closed.

## Extremely hard-wearing protective welding clothes in modern, easily combinable design

Aramid fibres boast a high specific (weight) strength, low-density, high impact strength, good heat resistance and dimensional stability. They can absorb energy and heat well; on contact with flames, the fabric inflates, gains volume and protects the wearer.

With the “proFlex4 Advanced” you are opting for a very robust, comfortable welding garment whose

high-performance fibres offer the same protection as a heavy, flame-resistant cotton quality made of 420 g/m<sup>2</sup>.

The “proFlex4 Advanced” offers additional protection against arc flash and is ideal for observational or light welding and grinding work.

### Benefit from:

- Easily combinable, single and two-colour collection in modern design.
- Patented high performance fabric
- Enormous tear and cut resistance thanks to Kevlar® content
- Jacket with extended back
- Antistatic properties, also suitable for explosive work environments
- Many practical pockets for stashing tools and job aids
- Knee pad pockets on all trousers

## For occasional welding and grinding work

### Protects against:

- Heat
- Surface flammability
- Convective heat
- Weld spatter
- Molten metal splash
- Radiation heat
- Contact heat
- Electric arcs (4 kA)
- Acids
- Bases
- Solvents
- Oils



**EN 61482-1-2**  
Class 1: 4 kA



**EN 1149-5**



**EN ISO 11612**  
A1, B1, C1, E2, F1



**EN ISO 11611**  
Class 1



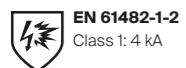
**EN 13034**  
Type 6



Can be combined with the industrial and craft clothing “**metal workers**” and the machine protection clothing “**machine operators**”.

proFlex4 Advanced

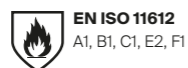
# Work jacket



EN 61482-1-2  
Class 1: 4 kA



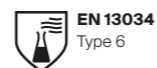
EN 1149-5



EN ISO 11612  
A1, B1, C1, E2, F1



EN ISO 11611  
Class 1



EN 13034  
Type 6

Dark grey:  
1006103

Dark blue/red:  
1002600

Dark blue/grey/red:  
1002601

## Special features

- Stand-up collar can be closed high with a press stud
- Concealed press stud fastening
- Standards symbols embroidered on the left-side pocket
- 2 chest pockets
- Inside breast pocket on the left with press stud
- 2 side slant pockets
- Adjustable sleeves
- Reflective zones on the arm and on the extended back

## Material

330 g/m<sup>2</sup>  
58 % aramid | 41 % FR viscose | 1 % carbon

## Sizes

19-33 | 38-72 | 84-122  
Back length in size 50: 81 cm



**“proFlex4 Advanced” dark grey work jacket and waistband trousers, shirt from the Basic range**

Please note that workwear only protects against the risks of welding when worn completely closed.

proFlex4 Advanced

# Waistband trousers



Ergonomically shaped  
knee pad pockets



EN 61482-1-2  
Class 1: 4 kA



EN 1149-5



EN ISO 11612  
A1, B1, C1, E2, F1



EN ISO 11611  
Class 1



EN 13034  
Type 6

Dark grey:  
1006104

Dark blue:  
1002599

## Special features

- Concealed waistband button
- 2 side slant pockets
- 2 back pockets with flap and 2 press studs
- 1 leg pocket with flap and press stud on left side
- 1 ruler pocket with flap and press stud on the right, loose at the bottom
- Standards symbols embroidered on the ruler pocket
- Ergonomic knee pad pockets
- Reflective tape bands around the lower legs

## Material

330 g/m<sup>2</sup>  
58 % aramid | 41 % FR viscose | 1 % carbon

## Sizes

19-33 | 38-72 | 84-122

proFlex4 Advanced

# Dungarees



Ergonomically shaped  
knee pad pockets



EN 61482-1-2  
Class 1: 4 kA



EN 1149-5



EN ISO 11612  
A1, B1, C1, E2, F1



EN ISO 11611  
Class 1



EN 13034  
Type 6

Dark grey:  
1006105

Dark blue/grey/red:  
1002598

## Special features

- Stretch straps with buckles
- Bib pocket with flap, 2 press studs and Velcro fastening, with pen pocket inside
- 2 side slant pockets
- 2 hip pockets with flap and 2 press studs
- 1 ruler pocket with flap and press stud on the right, loose at the bottom
- 1 leg pocket with flap and press stud on the left
- Standards symbols embroidered on the folding ruler pocket
- Ergonomic knee pad pockets
- Reflective tape bands around the lower legs
- Trousers with stretch inserts at the sides

## Material

330 g/m<sup>2</sup>  
58 % aramid | 41 % FR viscose | 1 % carbon

## Sizes

19-33 | 38-72 | 84-122

**Class**

**2**



# Alpha Welding 2

„Alpha Welding 2” bib and brace overalls in dark grey, long-sleeved shirt from the Basic range.

Please note that workwear only protects against the risks of welding when worn completely closed.

## Robust protection with antistatic properties made of flame-retardant cotton and polyester with reflective stripes for better visibility.

The Tecapro® fabric used in Alpha Welding 2 combines high-performance fibres with breathability and excellent protective properties. It was specially developed for use in extreme conditions and effectively protects wearers against heat.

Thanks to the special weaving technique used in the “Alpha Welding 2” collection - known in the trade as atlas or satin weave - the result is an extremely fine fabric with a smooth, almost structureless, shiny upper exterior and a blunt, pleasantly soft interior. It is this special surface texture that ensures that metal splash and molten metal simply roll off the clothing, thus providing exceptionally good welding protection.

The soft, yet robust, non-slip fabric weighs 450 g/m<sup>2</sup> and thus offers the necessary strength without hampering the wearer. The fabric also prevents the possible spread of flames, so that the wearer's focus remains fully on the job. Reflective elements have been incorporated into the collection so that welders can be seen more quickly in darker working environments.

“Alpha Welding 2” offers a complete package of reliable protective properties with high wearing comfort. The unbeatable price-performance ratio makes the clothing line all the more attractive.

### Benefit from:

- Outstanding protective properties and exceptionally high wearing comfort thanks to breathable cotton.
- Protective welding clothing made of a soft, comfortable high-performance material
- True to size, colourfast and durable protective welding clothing
- Antistatic properties, also suitable for explosive working environments
- Many practical pockets for stashing tools and job aids
- Knee pad pockets on all trousers

## For frequent and continuous welding and grinding work

### Protects against:

- Heat
- Surface flammability
- Convective heat
- Radiation heat
- Contact heat
- Edge ignition
- Weld spatter
- Molten metal splash
- Liquid iron spatter
- Arcs (4 kA)
- Oils
- Electrostatic charge



EN 1149-3  
EN 1149-5



EN ISO 11612  
A1+2, B1, C1,  
E3, F1



EN ISO 11611  
Class 2



Can be combined with the “Alpha Welding 1” for observational and light welding work.

2

Class

Alpha Welding 2

# Work jacket

EN 1149-3  
EN 1149-5EN ISO 11612  
A1+2, B1, C1, E3, F1EN ISO 11611  
Class 2

Dark grey:  
1006046

Dark blue:  
1006045

## Special features

- Turn-down collar
- Straight cut
- Reflective piping on front chest and reflective tape on rear shoulder area for increased visibility
- Front with concealed press studs
- Sleeve cuffs with press stud adjustment
- 1 chest patch pocket with flap and concealed press stud on the left
- 2 front patch pockets with flap and concealed press stud
- 1 inside breast pocket on the left
- Standards symbols embroidered on the left front pocket

## Material

450 g/m<sup>2</sup>  
79 % cotton | 20 % polyester  
1 % Static Control™

## Sizes

36/38-68/70  
86/88-122/126

Alpha Welding 2

# Waistband trousers



Knee pad pockets  
with Velcro fastening

EN 1149-3  
EN 1149-5EN ISO 11612  
A1+2, B1, C1, E3, F1EN ISO 11611  
Class 2

Dark grey:  
1006048

Dark blue:  
1006047

## Special features

- Set-on waistband with belt loops and adjustable elastic band
- Straight cut
- Back trousers with saddle and gusset in the crotch area
- Knee pad pockets that can be filled from below with inner liner
- Reflective tape bands around the lower legs for increased visibility
- 2 side slant pockets
- 1 back patch pocket with flap and concealed press stud on the right
- 1 patched, reinforced bellows pocket with flap and concealed press stud pocket on the right
- 1 patched, reinforced bellows leg pocket with flap and concealed press stud on the left
- Standards symbols embroidered on the left leg pocket

## Material

450 g/m<sup>2</sup>  
79 % cotton | 20 % polyester  
1 % Static Control™

## Sizes

19-33 | 38-72 | 84-122

Alpha Welding 2

# Dungarees



Knee pad pockets  
with Velcro fastening



EN 1149-3  
EN 1149-5



EN ISO 11612  
A1+2, B1, C1, E3, F1



EN ISO 11611  
Class 2

Dark grey:  
1006050

Dark blue:  
1006049

## Special features

- Front with concealed zip
- Side stretch zones thanks to elastic stretch inserts
- Stretch straps with buckles
- Knee pad pockets that can be filled from below with inner liner
- Reflective tape bands around the lower legs for increased visibility
- 2 side slant pockets
- Bib patch pocket with flap and concealed press stud
- Back pocket with flap and concealed press stud on the right
- 1 patched, reinforced bellows pocket with flap and concealed press stud pocket on the right
- 1 patched, reinforced bellows leg pocket with flap and concealed press stud on the left
- Standards symbols embroidered on the left leg pocket

## Material

450 g/m<sup>2</sup>  
79 % cotton | 20 % polyester  
1 % Static Control™

## Sizes

19-33 | 38-72 | 84-122

Alpha Welding 2

# Overalls



Knee pad pockets  
with Velcro fastening



EN 1149-3  
EN 1149-5



EN ISO 11612  
A1+2, B1, C1, E3, F1



EN ISO 11611  
Class 2

Dark grey:  
1006052

Dark blue:  
1006051

## Special features

- Stand-up collar, closes with a press stud
- Reflective piping in the front chest area and reflective tape in the rear shoulder area
- Set-in waistband, elasticated at the back
- Front with concealed press studs
- Sleeve cuffs with press stud adjustment
- Side slant pockets with concealed press studs
- Knee pad pockets with inner liner, to be filled from below
- Chest patch pockets with flap and concealed press stud, left with bellows
- Reflective tape bands around the lower legs
- Reinforced front patch pockets with flap and concealed press stud
- 1 back patch pocket with flap and concealed press stud on the right
- 1 patched, reinforced bellows pocket with flap for folding ruler and concealed press-stud on the right
- 1 patched, reinforced bellows leg pocket with flap and concealed press stud on the left
- Standards symbols embroidered on the left leg pocket

## Material

450 g/m<sup>2</sup>  
79 % cotton | 20 % polyester  
1 % Static Control™

## Sizes

36/38 - 68/70



# Pure Welding 2

„Pure Welding 2“ work jacket in dark blue with second dark blue trim colour

## Hard-wearing protective welding clothing with additional high-tech fabric applied to particularly vulnerable body parts.

Medium-weight, single-colour welding garment made of 89% flame-retardant cotton and polyamide, finished with an aramid quality and a 100% Nomex® lining.

Nomex® is permanently antistatic and flame-resistant for up to 8 seconds as well as oil- and dirt-repellent.

Aramid fibres have high specific (weight) strength, low-density, high impact resistance, good heat resistance and dimensional stability. They can absorb energy and heat well; when in contact with flames, the fabric inflates, gains volume and protects the wearer.

### Benefit from:

- Highest material and workmanship quality
- Combination of proFlex4 fabric in particularly stressed areas and Secan® Plus fabric
- High cotton content
- Durable antistatic lining
- Optimum protection even in confined spaces or for horizontal welding work
- Antistatic properties, also suitable for explosive work environments

The "Pure Welding 2" offers optimal protection in welding protection class 2, especially in risky work situations, such as welding in confined spaces or in forced positions (e.g., overhead welding or cutting).

The "Pure Welding 2" is ideal for continuous, hard welding and grinding work.

## For frequent and continuous welding and grinding work

### Protects against:

- Heat
- Surface ignition
- Convective heat
- Weld spatter
- Molten metal splash
- Radiation heat
- Contact heat
- Electrostatic charge



EN 1149-3  
EN 1149-5



EN ISO 11612  
A1, B1, C1, F1



EN ISO 11611  
Class 2

2

Class

# Work jacket



EN 1149-3  
EN 1149-5



EN ISO 11612  
A1+2, B1, C1, F1



EN ISO 11611  
Class 2

Dark blue/Dark blue:  
1002613

## Special features

- Stand-up collar
- Concealed zip
- 2 chest pockets with flap and press studs
- Inside breast pocket with zip on the right
- Inside breast pocket with press stud on the left
- Reflective piping on chest and back
- Extended back
- Adjustable sleeves with press studs
- Doubling through modular solution at the most vulnerable body parts
- Standards symbols embroidered on the right chest pocket

## Material

**Outer material:** 390 g/m<sup>2</sup>

89 % cotton | 10 % polyamide | 1 % carbon

**Trim modules:** 330 g/m<sup>2</sup>

58 % aramid | 41 % FR viscose | 1 % carbon

**Lining** 165 g/m<sup>2</sup>

100 % Nomex®

## Sizes

21-33 | 42-72 | 88-122

Back length in size 50: 81 cm



Pure Welding 2

# Waistband trousers

Ergonomically shaped  
knee pad pockets



EN 1149-3  
EN 1149-5



EN ISO 11611  
Class 2



EN ISO 11612  
A1+2, B1, C1, F1

Dark blue/Dark blue:  
1002611

## Special features

- Concealed waistband button
- 2 side slant pockets
- 2 back pockets with flap and 2 concealed press studs
- 1 leg pocket with flap and press stud on the left
- 1 folding ruler pocket with flap and press stud on the right
- Ergonomic knee pad pockets
- Doubling through modular solution at the most vulnerable body parts
- Reflective piping on both sides at the back
- Standards symbols embroidered on the right leg pocket

## Material

**Outer material:** 390 g/m<sup>2</sup>  
89 % cotton | 10 % polyamide | 1 % carbon

**Trim modules:** 330 g/m<sup>2</sup>  
58 % aramid | 41 % FR viscose | 1 % carbon

**Lining:** 165 g/m<sup>2</sup>  
100 % Nomex®

## Sizes

19-33 | 38-72 | 84-122

Pure Welding 2

# Dungarees

Ergonomically shaped  
knee pad pockets



EN 1149-3  
EN 1149-5



EN ISO 11611  
Class 2



EN ISO 11612  
A1+2, B1, C1, F1

Dark blue/Dark blue:  
1002612

## Special features

- Stretch straps with buckles
- Bib pocket with flap and 2 press studs
- Concealed waistband button
- 2 side slant pockets
- 2 back pockets with flap and 2 press studs
- 1 leg pocket with flap and press stud on left side
- 1 folding ruler pocket with flap and press stud on the right
- Ergonomic knee pad pockets
- Doubling through modular solution at the most vulnerable body parts
- With reflective piping
- Standards symbols embroidered on the right leg pocket

## Material

**Outer material:** 390 g/m<sup>2</sup>  
89 % cotton | 10 % polyamide | 1 % carbon

**Trim modules:** 330 g/m<sup>2</sup>  
58 % aramid | 41 % FR viscose | 1 % carbon

**Lining:** 165 g/m<sup>2</sup>  
100 % Nomex®

## Sizes

19-33 | 38-72 | 84-122



# Protective clothing is subject to legal rules and regulations, even when it comes to washing, drying, mending and sewing.

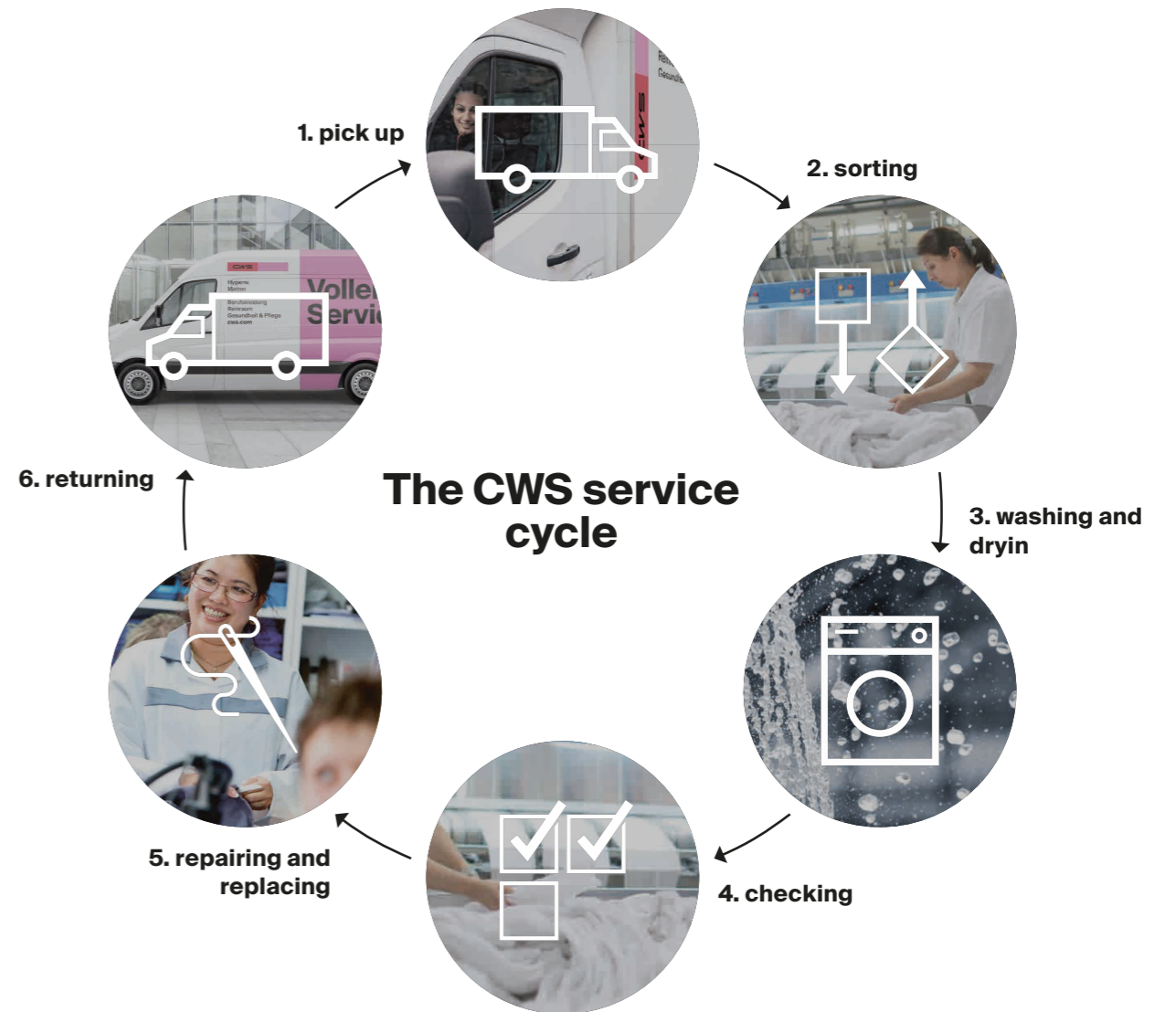
### Important to know

As an employer, you are required to carry out a risk assessment for each workplace and select personal protective equipment that provides an equivalent or higher level of protection.

Repairs or modifications to protective clothing should only be carried out by professionally trained persons or institutions in accordance with the manufacturer's instructions.

You are responsible for ensuring that protective clothing functions well and is in a hygienic condition throughout the period of use.

Our technical advisors and PPE experts will be happy to advise you at any time without obligation and, above all, with pleasure.



- 1**  
We collect your workwear at regular intervals and clean it at our laundries.
- 2**  
Before cleaning, we sort the garments according to the washing requirements to ensure a gentle washing process.
- 3**  
Our washing and drying processes are particularly resource- and energy-saving

- 4**  
We keep an eye on your workwear and carry out quality control at all stages of the service cycle. This also includes performing laboratory tests.
- 5**  
If necessary, we repair the garments appropriately in the laundry or replace them if necessary.
- 6**  
We return your work clothes punctually on the agreed delivery date: freshly washed, dried and, of course, in top quality.



# With CWS Workwear, you are opting for pro-active environmental protection.

**Because you're not just wearing clothes. You're also wearing responsibility.**

Our vision at CWS: to contribute to a healthier and safer tomorrow. Our responsibility starts with the choice of our partners, the raw materials used, the energy consumption in our laundries, the transport routes, the use of plastic packaging and, of course, extends over the entire product life, which - at the end of its life cycle - is increasingly about upcycling and recycling.

Our workwear stands up to the toughest working conditions, time and again. Wherever possible, we use fair trade cotton and recycled polyester. We work with suppliers who have subscribed to the BSCI Code of Conduct. Moreover, we have suppliers in high-risk countries audited for compliance with the BSCI Code of Conduct.

Fresh water, electricity and other energies are valuable. At CWS, we use them several times instead of just once.

Our washing and drying processes in all CWS industrial laundries have been designed with this in mind. Year after year, we review our consumption and reduce it.

Support our vision, support environmental protection. Question what impact your actions have on the environment. Know where your workwear comes from and what the carbon footprint it has left.

You can recognise sustainable workwear at CWS Workwear by our "Know what you wear" symbol.



# Is that all? No!

Colleagues change shifts, take on this task today, that task tomorrow, work indoors and also outdoors: CWS Workwear offers you a large selection of personal protective equipment (PPE), industrial and craft clothing,

warning signs and outdoor items as well as T-shirts, polo shirts, sweatshirts, shirts, softshell jackets and trousers.

**Please ask your CWS consultant for our other catalogues and promotions.**



**All our catalogues can be downloaded from [cws.com](https://www.cws.com).**

## **Your contacts in the DACH region**

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