



on us.

We make clothing for people like you who identify with their work: enjoyment and success are just as important as a high level of performance at all times and 100% commitment.

BP® offers you the appropriate work clothing solutions. Safety, function, design and comfort in perfect balance. With optimum freedom of movement and lots of practical details.

BP® makes clothing for people like you with high requirements People who want good conditions for their skin, even in hectic

of one-on-one discussions with our customers and expertise that comes from more than 230 years of experience.



terms: the perceptible difference you can always rely on.

Find out for yourself - do the BP° test!

#### Work clothing that adapts to you and not the other way around.

#### BP® design

Lots of new details that help you in your everyday work: for example, the BP® arm-lift system that lets you reach high without exposing your stomach and back. Or the innovative waistband that ensures a really comfortable fit. Many of these ideas were developed in collaboration with professionals like you and are thus particularly suitable for everyday working life.

#### PPE for women

In collaboration with women from industry, we have developed work clothing tailored precisely to their needs in terms of function, fit and design.



#### High-tech materials

Water-repellent, windproof, breathable and quick-drying: we have developed new, particularly comfortable materials that will make it easier for you when working both indoors and outdoors. They are more comfortable, more lightweight, more durable and, of course, particularly easy-care.

#### **BP® Ergofit**

Maximum freedom of movement. In every direction!





EN ISO 20471













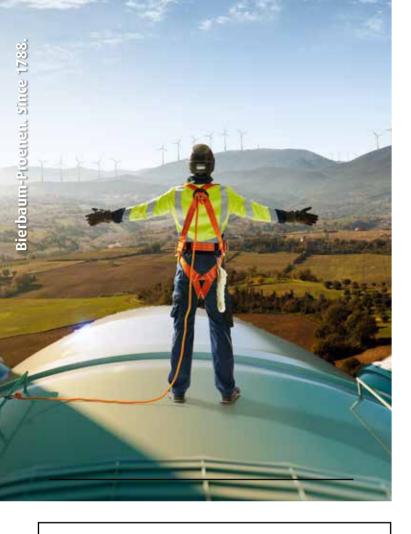








IEC 61482-2



#### **BP® Multi Protect Plus**

Discover more on pages 38-55.

The greatest wear comfort, maximum visibility and details of the highest quality: BP® Multi Protect Plus.

Discover the particularly lightweight high-end professional clothing with multi-protect features such as high visibility, fault arc protection class 1 or 2 as well as the inherent, or permanent, flame resistance.























This catalogue is valid from 2020 to 2022. For production reasons, we reserve the right to make changes to individual products. Printing errors reserved.

#### **BP® RESPONSIBILITY**

- An eye on the world.
- More commitment to planet fairness.
- Our most sustainable promise.

#### **BP® CUSTOMISED**

- BP® logo service. Make it your own.
- BProtected® for women. No more compromises - made for women.
- Hi-Vis: make yourself seen. When it really matters, being seen quickly is a must.

#### THE BP® COLLECTIONS

- BP® Hi-Vis Comfort
- 38 BP® Multi Protect Plus
- BP® Multi Protect
- BP® Hi-Vis Protect
- BP® Welder's Comfort 76

#### **100 % ORIENTATION**

- BP® complementary items. The perfect complements: knee protection and more.
- Everything about PPE. Basic facts about PPE. PPE information. PPE standards & performance levels.
- Good to know. The BP® PPE glossary.
- BP® expertise BP<sup>®</sup> sizes
- BP® product finder All items at a glance.
- 91 BP® worlds Huge variety in other BP® catalogues.

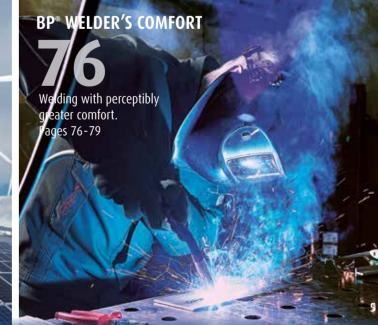


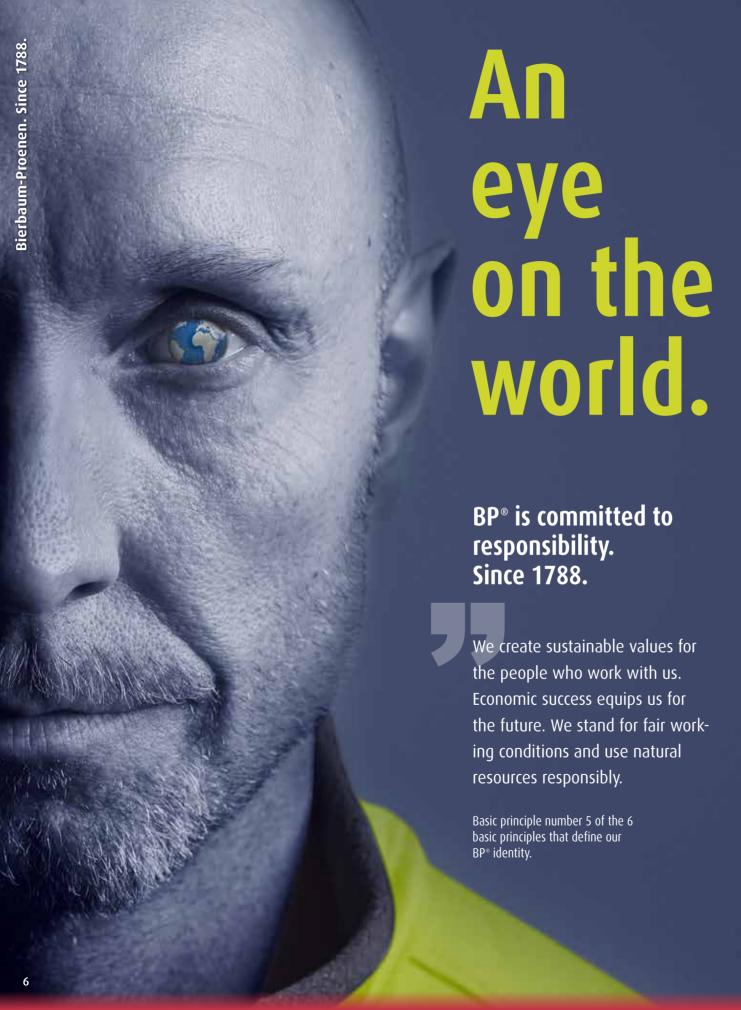




## Sustainability, quality and professionalism. Brought to life by BP®.









#### Sustainability through transparency

When reviewing sustainability in the textile chain, we work with high-profile institutions to create transparency. In addition, in our Sustainability Report we report on our activities, our successes and the areas where there is still room for improvement (www.bp-online.com/en/bp-responsibility). We at BP® consider openness and transparency to be the foundation for a process of continuous improvement.



#### **OUR SOCIAL RESPONSIBILITY.**

The aim of the FAIR WEAR FOUNDATION is to improve working conditions for people working in the international clothing industry. BP\* has now been named Fair Wear Leader seven times in succession.

#### FAIRTRADE COTTON.

In 2019, together with a project group and Fairtrade, we set up the Supporting Fairtrade Cotton pilot project, enabling farmers to sell larger quantities of their cotton under Fairtrade conditions. In this way we are opening up access to fairer trading conditions, social change and greater environmental protection. More information at www.info.fairtrade.net/sourcing



#### SUSTAINABLE SUPPY CHAIN.

The Partnership for Sustainable Textiles, an initiative launched by the German Federal Ministry for Economic Cooperation and Development, aims to ensure social, ecological and economic standards along the entire production and supply chain in the clothing sector. BP° is actively involved in the Partnership for Sustainable Textiles



#### TESTED FOR HARMFUL SUBSTANCES.

Our responsibility also means that BP® products are harmless in terms of human ecology. That is why all BP® products are tested for harmful substances and most are certified in accordance with Oeko-Tex® Standard 100.



#### SUSTAINABLE MANAGEMENT.

Some suppliers and producers are certified by STeP. STeP carries out comprehensive analyses to check whether companies and production facilities are being managed sustainably in relevant areas such as chemical and environmental management, health and safety, social responsibility and quality management.

#### **EXCLUDING ENVIRONMENTALLY HARMFUL SUBSTANCES.**

Some suppliers are bluesign® system suppliers. This label eliminates harmful substances right from the beginning of the manufacturing process, and sets and controls standards to ensure that production is environmentally friendly and safe.





## NEWLY-FORMED PARTNERSHIPS China Partner company 2 Armenia Bangladesh Partner company 1 2 years

#### Sustainability through longevity.

We, as an owner-operated company, have learned through the experience of seven generations that the biggest contribution to fair working conditions and high quality comes from long-term supplier relationships.

Over the many years of trusted cooperation, the idea of a process that is continually improved upon has been lived out.

We are proud that most BP® clothing items come from production partners

that we have worked with for more than ten years. Almost all the production partners are family companies, just like us.

Above: the fabric is only cut while wearing safety gloves.

Right: fire drills and specially trained fire prevention officers are an important part of

our safety concept.



For environmental sustainability, we focus on three principles: eliminate, reduce and recycle. We feel that eliminating, meaning a sparing use of resources, is especially important. We are convinced that the long-lasting nature of BP\* products is one of the biggest contributions to sustainability because it saves valuable resources and preserves the environment.





Take, for example, the 2208 work jacket from our BP® Multi Protect Plus collection. It requires cotton, modacrylic, polyamide and aramid to make it. It comprises 54 pattern pieces, 530 metres of yarn, 5.70 metres of reflective strips and the BP® logo – our quality seal. Our sewers lovingly turn these resources into a jacket.

But if we use all of our expertise, our sophisticated quality management systems and our passion for quality to double the lifespan of this jacket – a jacket which we sell by the thousands –,

we can help to conserve valuable resources. And if we then take all of our BP® products into account, we are talking about a good few million items of clothing per year.

This is why thinking about sustainability makes perfect sense. Long-lasting products are sustainable. And they make a real difference to the people involved in value creation, to the environment and, ultimately, to the people who wear our clothes.



#### **EMBROIDERED EMBLEM**

Your logo, company or personal name can be sewn onto the fabric.

#### Creating a strong presence: the BP® Logo Service.

Names, logos, lettering or simple motifs – with BP®, you can individualise your clothing. This highlights the sense of togetherness of whole teams and also, of course, the personality of the individual.

**With PPE**, it's very important that every individualisation takes account of the required standards and certifications.

BP® offers a wealth of expertise, always tailoring direct embroidery, embroidered emblem or transfer print to the specific PPE product in accordance with the required standards. All finishing materials used by BP® are of excellent quality and suitable for industrial laundering in accordance with ISO 15797.

Only tested material\* is used that has been certified by a test institute especially for BP® (\*apart from BP® Hi-Vis Comfort).



Depending on the item, there are **lots of ways to apply your desired finish**. Simply ask about the best way to create your individualisation. Here is an initial overview of the individualisations that are possible with the BProtected® collections

High visibility	Embroidered emblem	Direct embroidery	Transfer print
BP® Hi-Vis Comfort	•	•	•
BP° Hi-Vis Comfort Softshell	•		•
BP° Hi-Vis Comfort Outdoor	•		•
BP° Hi-Vis Protect	•	•	•
BP° Hi-Vis Protect Outdoor	•		•
Multi-standard			
BP° Multi Protect			
BP° Multi Protect Plus	•	•	•
Welder protection			
BP° Welder's Comfort			•







#### High visibility - perfected by BP°.

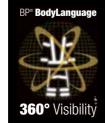
When it comes to visibility: more is more! The greater the area of the clothing that is covered with fluorescent or retro-reflective materials, the sooner and better you will be seen by others. And it's not just at night - BP® Hi-Vis Comfort enhances personal safety, even in situations with poor visibility, such as dusk, rain, snow or fog.

With the BP® Hi-Vis collections, BP® not only offers maximum visibility but also highly innovative materials with maximum comfort. For the greatest protection against wind, weather, heat and cold at the same time as optimum freedom of movement. Also in the area of multi-standard protection (from page 38).

Find out for yourself and do the BP® test: we can safely say you're going to love it.

#### The BP® BodyLanguage:





The reflective material is attached according to the "BP" BodyLanguage" principle. In other words, the specific positioning of the retroreflective material outlines the wearer's body silhouette. This results in high all-round visibility of the wearer when it's dark, including from above.



## **BP® HI-VIS COMFORT**

### High-visibility protection plus comfort for all weathers.

#### This is what BP® Hi-Vis Comfort offers you:

BP® Hi-Vis Comfort meets the minimum requirements of standard EN ISO 20471 and offers you the best possible high visibility both day and night under different light conditions, together with wear comfort based on the perfect fit, an intelligent fabric composition and a cotton inside layer. The entire collection is suitable for industrial laundering in accordance with ISO 15797 and a special fabric finish acts like a protective barrier, also ensuring that the dirt washes off more easily. Matching weatherproof items complete the collection. They meet the minimum requirements of standard EN 343 and offer you reliable protection against rain, snow and wind. Items that comply with standard EN 14058 also protect you in cool conditions.

#### Possible application areas:

- Working in public traffic areas
- Waste management

Before selecting the PPE, a risk assessment must be performed (see page 81).

- Transport services
- Logistics companies, production facilities
- · Recycling companies

Supply and disposal companies

- · Maintenance yards · Road building, structural and
- civil engineering

The standards:



✓ High-visibility clothing

EN ISO 2047

Wind and weatherproof

Integrated UV protection

Clothing for protection against cool environments

The BP® Hi-Vis **Comfort colours:** 







Warning orange/dark grey

Warning orange/green

Warning yellow/dark grey

#### The high-visibility protection classes in combination:

High-visibility protection classes 2 and 3 can be easily achieved by combining BP® Hi-Vis Comfort items:

Class 2: combination of waistcoat 2013 and shorts 2014

Class 3: all other combinations of tops and bottoms, as long as at least one item has long sleeves or long trouser legs and is equipped with reflective strips or the T-shirt 2136 is used in a combination as the top.

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## For your team outfit: BP® Hi-Vis Comfort at a glance.

The second	Colour	<b>2017</b> BP® Women's functional work jacket page 31	<b>2015</b> BP® Men's functional work jacket page 31	<b>2012</b> BP® Work jacket page 20	<b>2013</b> BP® Waistcoat page 20
	Warning yellow/ dark grey			2012-845-8653	2013-845-8653
	Warning orange/ dark grey	back made of fleece 2017-845-85	back made of fleece	2012-845-8553	2013-845-8553
	Warning orange/ dark blue			2012-845-8510	
	Warning orange/ green			2012-845-8574	



**BP® HI-VIS COMFORT** 

## feel the difference

## For all weathers.

	For	your te	am out	fit:	
	<b>BP</b> ®	Hi-Vis (	Comfort	t at a gl	ance.
	Colour	<b>2132</b> BP® Unisex polo shirt page 26	<b>2131</b> BP® Unisex T-shirt page 26	<b>2133</b> BP® Long-sleeve unisex polo shirt page 26	<b>2136</b> BP® Unisex T-shirt page 26
	Warning yellow	2132-260-86	2131-260-86	2133-261-86	2136-261-0066
	Warning orange	2132-260-85	2131-260-85	2133-261-85	2136-261-0065
	Colour	<b>2014</b> BP® Shorts page 25	<b>2016</b> BP® Coverall page 21	<b>2013</b> BP® Waistcoat page 20	<b>2113</b> BP® Thermal waistcoat page 32
	Warning yellow/ dark grey	2014-845-8653		2013-845-8653	2113-845-86
18	Warning orange/ dark grey	2014-845-8553	2016-845-8553	2013-845-8553	2113-845-85



2120-880-85

2030-880-85

2127-880-85

2019-880-85

#### BP® Work jacket 2012

Stand-up collar, concealed zip, 2 breast pockets with flap fastening, 2 side pockets, 1 inside pocket, 1 inside smartphone pocket with flap, cuffs with fastening, with reflective strips for 360° visibility

Warning orange/dark blue, warning orange/dark grey and warning yellow/dark green

Sizes 44/46n-64/66n, 44/46l-56/58l Warning orange/green

Sizes 44/46n-64/66n

**Class 2:** size 44/46 **Class 3:** from size 48/50





2012-845-8653 Warning yellow/dark grey

#### Work jacket also available in these colours:







2012-845-8553 Warning orange/ dark grey



2012-845-8574 Warning orange/green

#### Your product information

Fluorescent background fabric: 50% cotton/50% polyester, approx. 270 g/m<sup>2</sup> Non-fluorescent trim:







65% polyester/35% cotton

Suitable for industrial laundering as per ISO 15797

#### Your advantages

- > 360° visibility
- > Integrated protection as per UV Standard 801
- > DuraClean finish for improved stain removal
- > 3M retroreflective strips
- > Sizes based on a 3-length system





EN ISO 20471



#### BP® Waistcoat 2013

Stand-up collar, concealed zip, 2 breast pockets with flap fastening, 2 side pockets, 1 inside pocket, 1 inside smartphone pocket with flap, with reflective strips for 360° visibility

Sizes 44/46n-64/66n

**Class 1:** size 44/46 Class 2: from size 48/50



2013-845-8553 Warning orange/dark grey

✓ Concealed zip

#### Waistcoat also available in this colour:



2013-845-8653 Warning yellow/dark grey

#### BP® Coverall 2016

Stand-up collar, concealed 2-way zip and press-stud band, 2 breast pockets with flap fastening, 2 side pockets, 1 inside pocket. 1 inside smartphone pocket with flap, inside adjustable waist, cuffs with fastening, with reflective strips for 360° visibility, 1 thigh pocket with smartphone patch pocket, both with flap fastening, double ruler pocket sewn down on one side, 1 back pocket with flap fastening, knee pad pockets (please order knee pads 1839-000-53 separately)

Sizes 44/46n-64/66n

Class 3: all sizes

✓ Knee pad pockets





#### BP® Women's work trousers 2018

Elasticated back waistband for optimum fit, ergonomic cut, 2 side pockets, 2 back pockets, 1 large thigh pocket, double ruler pocket sewn down on one side, with reflective strips for 360° visibility, knee pad pockets (please order knee pads 1839-000-53 separately)

Sizes 34n-54n, 381-441

Class 2: all sizes

BP® Thermal

2113-845-86

BP® Fleece jacket 1872-646-53

BP® Work trouser **2010-845-8653** 

BP® Women's softshell jacket

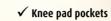
BP® Women's work trousers 2018-845-85

2121-940-85

waistcoat

Bierbaum-Proenen. Since 1788.

22



- ✓ Ruler pocket sewn down on one side
- ✓ Elasticated back waistband for optimum fit



KNEE **PROTECTION** 

Order at the same time: certified knee pads Order no. 1839-000-53





**2018-845-85** Warning orange

Women's work trousers also available in this colour:



2018-845-86 Warning yellow

#### BP® Work trousers 2010

Elasticated back for optimum fit, 2 side pockets, thigh pocket with smartphone patch pocket and pen patch pocket, thigh pocket and smartphone pocket with flap fastening, double ruler pocket sewn down on one side, 1 back pocket with flap fastening, with reflective strips for 360° visibility, knee pad pockets (please order knee pads 1839-000-53 separately)

Warning orange/dark blue, warning orange/ dark grey and warning yellow/dark grey

Sizes 44n-64n, 48l-56l, 48s-58s

Warning orange/green

Sizes 44n-64n, 48s-58s

Class 2: all sizes





Order at the same time: certified knee pads Order no. **1839-000-53** 











**Work trousers** also available in these colours:



2010-845-8510 Warning orange/dark blue



2010-845-8553 Warning orange/ dark grey



2010-845-8574

Warning orange/ green

#### Your product information

Fluorescent background fabric: 50% cotton/50% polyester, approx. 270 g/m<sup>2</sup> Non-fluorescent trim:

65% polyester/35% cotton WXDax

Suitable for industrial laundering as per ISO 15797

#### Your advantages

- > 360° visibility
- > Integrated protection as per UV Standard 801
- > DuraClean finish for improved stain removal
- > 3M retroreflective strips
- > Sizes based on a 3-length system





EN ISO 20471



#### BP® Work trousers 2110

Elasticated back waistband for optimum fit, 2 side pockets, thigh pocket with smartphone patch pocket and pen patch pocket, thigh pocket and smartphone pocket with flap fastening, double ruler pocket, 1 back pocket with flap fastening, with reflective strips for 360° visibility



pockets ✓ Double ruler pocket

✓ Without knee pad

✓ Elasticated back waistband for optimum fit



Work trousers also available in this colour:



2110-845-8653 Warning yellow/dark grey

Sizes 44n-64n, 48l-56l, 48s-58s

Class 2: all sizes



2110-845-8553 Warning orange/dark grey

#### BP® Bib & brace 2011

Stretch braces with plastic clip fastenings, double bib pocket with flap fastening, 1 of the pockets with concealed zip, 2 pen pockets, 2 side pockets, thigh pocket with smartphone patch pocket and pen patch pocket, thigh pocket and smartphone pocket with flap fastening, high back, double ruler pocket sewn down on one side, 1 back pocket with flap fastening, with reflective strips for 360° visibility, waist adjustable with BP° Flex stretch insert, knee pad pockets (please order knee pads 1839-000-53 separately)

Warning orange/dark blue, warning orange/ dark grey and warning yellow/dark grey

Sizes 44n-64n, 48l-56l, 48s-58s

Warning orange/green

Sizes 44n-64n, 48s-58s

Class 2: all sizes

#### KNEE **PROTECTION**

Order at the same time: certified knee pads







#### Bib & brace also available in these colours:

Warning orange/

dark blue





2011-845-8510

2011-845-8574 Warning orange/ green



2011-845-8653 Warning yellow/dark grey

Order no. 1839-000-53

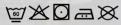


#### Your product information

Fluorescent background fabric:

50% cotton/50% polyester, approx. 270 g/m<sup>2</sup>

Non-fluorescent trim: 65% polyester/35% cotton



Suitable for industrial laundering as per ISO 15797

#### Your advantages

- > 360° visibility
- > Integrated protection as per UV Standard 801
- > DuraClean finish for improved stain removal
- > 3M retroreflective strips
- > Sizes based on a 3-length system







#### BP® Bib & brace 2111

Stretch braces with plastic clip fastenings, double bib pocket with flap fastening, 1 of the pockets with concealed zip, 2 pen pockets, 2 side pockets, thigh pocket with smartphone patch pocket and pen patch pocket, thigh pocket and smartphone pocket with flap fastening, 1 high back, double ruler pocket, 1 back pocket with flap fastening, with reflective strips for 360° visibility, waist adjustable with BP° Flex stretch

Sizes 44n-64n, 48l-56l, 48s-58s

Class 2: all sizes



✓ Knee pad pockets

✓ Ruler pocket sewn

down on one side

✓ Double ruler pocket



Bib & brace also available in this colour:



2111-845-8553 Warning orange/dark grey

#### Shorts also available in this colour:

2014-845-8653 Warning yellow/dark grey

BP® Shorts 2014

Sizes 44n-60n

Class 1: all sizes

Elasticated back waistband for opti-

with smartphone patch pocket and

pen patch pocket, thigh pocket and

double ruler pocket, 1 back pocket with flap fastening, with reflective strips for 360° visibility

✓ Elasticated back waistband

for optimum fit

smartphone pocket with flap fastening,

mum fit, 2 side pockets, thigh pocket



2014-845-8553 Warning orange/dark grey



Elasticated reflective strips

comfort

for greater wear

#### BP® Unisex T-shirt 2136

Round neck, 1/2 sleeve, elasticated reflective strips for 360° visibility

Sizes XS-4XL

Class 2: all sizes

The BP® T-shirt in combination with the BP® Shorts in all sizes meets the requirements of **high-visibility class 3**.



T-shirt also available in this colour:



2136-261-0066 Warning yellow

BP® Unisex T-shirt 2131

Round neck, 1/2 sleeve, elasticated reflective strips for 360° visibility

Sizes XS-4XL

Class 2: all sizes

T-shirt also available in this colour:

BP® Unisex polo shirt 2132

Polo collar with concealed press-stud band, 1/2 sleeve, elasticated reflective strips for 360° visibility

Sizes XS-4XL

Class 2: all sizes

Polo shirt also available in this colour:



2132-260-85 Warning orange

2131-260-86 Warning yellow

BP® Long-sleeve unisex polo shirt 2133

strips for 360° visibility

Class 2: sizes XS-S

Class 3: from size M

Sizes XS-3XL

Polo neck with concealed press-stud band, long sleeve, elasticated reflective

**2131-260-85** Warning orange

2133-261-86 Warning yellow

**Elasticated** reflective strips for greater wear comfort

2132-260-86 Warning yellow

comfort



Long-sleeve polo shirt also available in this colour:



2133-261-85 Warning orange



T-shirts and poloshirts: 50% cotton/50% polyester, piqué, approx. 185 g/m² Sweatshirt:

77% polyester/23% cotton, approx. 320 g/m<sup>2</sup>



Suitable for industrial laundering as per ISO 15797



BP® Unisex sweatshirt

2134-873-0065

2110-845-8553

BP® Work trousers

#### Your advantages

- > 360° visibility
- > Integrated UV protection as per UV Standard 801 (except sweatshirt 2134)
- > Elasticated, 3M retroreflective strips for greater wear comfort
- > Cotton inside layer for comfort



2134-873-0066 Warning yellow

Sweatshirt also available in this colour:

BP® Unisex sweatshirt 2134

360° visibility

Sizes XS-3XL

Class 2: sizes 2XS-S

Class 3: from size M

Slim silhouette, long sleeve, round neck, knitted cuffs and hem, with elasticated reflective strips for



EN ISO 20471



except article 2134



EN 13758

\* Material tested as per EN 13758 (except sweatshirt 2134)

vailable in the following colours:

- ✓ Arm-lift system for greater freedom of movement
- ✓ Storm cuffs

Men's soft-shell jacket also available in this colour:



Warning orange

#### Your product information (both jackets)

Outer material and inside fleece: 100% polyester Membrane: 100% polyurethane, approx. 320 g/m<sup>2</sup>



Sizes XS-3XL





Suitable for industrial laundering at 60 °C as per ISO 15797

#### Your advantages > 360° visibility

- > Ergonomic fit
- > Moisture protection thanks to BP protection® membrane
- > 3-layer laminate
- > Water column of the material: 10,000 mm, breathability: class 3

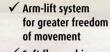




EN ISO 20471

- > Hard-wearing outer layer
- > Warm fleece inside layer
- > Water-resistant, windproof, breathable





✓ Soft fleece chin protection



**2122-940-85** Warning orange



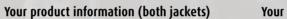


uned stand-up collar, front zip with fleece chin protection, 1 breast pocket with zip fastening, 2 large side pockets with zip fastening, fabric-reinforced sections on torso and sleeves, ergonomically shaped sleeves, arm-lift system for greater freedom of movement, storm cuffs, longer back, with reflective strips for 360° visibility

Sizes 44/46n-64/66n

Class 3: all sizes





wear comfort

Fluorescent background fabric: 50% cotton/50% polyester, approx. 270 g/m<sup>2</sup> Fleece: 100% polyester



Suitable for industrial laundering at 60 °C as per ISO 15797

#### Your advantages

- > 360° visibility
- > Ergonomic fit
- > 3M retroreflective strips
- > Storm cuffs







Fleece comfort

Fleece comfort

**2017-845-85** Warning orange





against the cold

Fleece jacket also available in this colour:

#### Your product information

Outer material: 50% cotton/50% polyester, approx. 270 g/m², lining: 100% polyester





Suitable for industrial laundering at 60 °C as per ISO 15797







Longer back

against the cold

to protect

Soft fleece chin protection

Reflective strips for 360° visibility

#### BP® Thermal waistcoat 2113

**2113-845-85** Warning orange

Slim silhouette, padded with thermal quilted lining, lined stand-up collar, front zip with fleece chin protection, 1 breast pocket with zip, 2 large side pockets with velcro fastening, fleece inserts at the side for greater freedom of movement, longer back, with reflective strips for 360° visi-

**FOR WARM DAYS:** 

BP® Waistcoat 2013-845-8553 **and 2013-845-8653** see page 20

#### Sizes XS-3XL

Class 1: size XS Class 2: from size S

#### Thermal waistcoat also available in this colour:

Fleece comfort

inner lining

Fleece inserts at the side for greater freedom of movement



2113-845-86 Warning yellow

#### Your product information

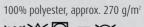
Inside adjustable

hem for individual

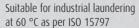
width adjustment

Reflective strips for 360° visibility

Elasticated cuffs











EN 14058

MIX & MATCH

with BP® Weatherproof jackets 2120-880-86 and 2030-880-86 see pages 34 and 36

#### BP® Fleece jacket 2025

Stand-up collar, 2 side pockets with zip, arm-lift system for greater freedom of movement, inside adjustable hem, longer back, with reflective strips for 360° visibility, mix & match with BP® Weatherproof jackets 2120 and 2030

#### Sizes XS-3XL

**2025-628-86** Warning yellow

Class 3: all sizes



Warning orange

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**BP® HI-VIS COMFORT** 

BP® Women's weatherproof iacket 2127-880-85

BP® Women's work trousers 2018-845-85

BP® Fleece jacket 2025

**BP**<sup>®</sup> Hi-Vis Comfort for women

BP® Weatherproof jacket 2120-880-86 BP® Fleece jacket 2025-628-86

BP® Men's super-stretch trousers 1861-620-0032 (BPlus brochure, page 30)

2120-880-85

Warning orange

Zip-in high back with

for greater wear comfort

waistband with

Thigh pocket with

smartphone patch

pocket

button adjustment

for an optimum fit

Weatherproof trousers also available in

this colour:

**2019-880-86** Warning yellow

Ankle with side zip

for easier putting on

and taking off

2019-880-85 Warning orange

#### Your product information (jacket + trousers)

Outer fabric und lining: 100% polyester Membrane: 100% polyurethane, approx. 205 g/m<sup>2</sup>

#### WXDax

Suitable for industrial laundering at 60 °C as per ISO 15797

#### Your advantages

- > 360° visibility
- > Moisture protection thanks to BP protection® membrane
- > Ergonomic fit
- > Water column: 10,000 mm, breathability: class 3
- > 2-layer direct laminate
- > Lining protects the membrane
- > Extremely lightweight
- > Waterproof, windproof





EN 14058

in combination with BP® Fleece jacket 2025 (only BP® Jacket 2030)





#### BP® Weatherproof trousers 2019

Zip-in high back with extra-wide detachable straps, elasticated back waistband with button adjustment, heat-sealed seams, 2 side pockets, thigh pocket with smartphone patch pocket, thigh pocket and smart-phone pocket with flap fastening, 1 ruler pocket, 1 back pocket with flap fastening, pre-shaped leg, with reflective strips for 360° visibility, ankle with side zip to facilitate putting on and taking off, with additional waterproof flap fastening

Sizes XSn-3XLn

Class 2: all sizes

#### BP® Weatherproof jacket 2030 (short)

Stand-up collar with soft inside collar, detachable hood with double width adjustment, waterproof front zip with double press-stud band, heat-sealed seams, 2 side pockets with press-stud fastening, 1 Napoleon pocket with zip, 2 breast pockets with velcro fastening, ergonomically shaped sleeves, storm cuffs, arm-lift system for greater freedom of movement, 1 inside pocket, repair zip in lining, inside adjustable hem, with reflective strips for 360° visibility, mix & match with warm BP® Fleece jacket 2025

MIX & MATCH

see page 33

2 breast pockets

with BP® Fleece jacket 2025-628-85

Sizes XS-4XL

Class 3: all sizes





also available in

this colour:

**2030-880-85** Warning orange

Soft inside collar

Detachable

Reflective

strips with

in wet

conditions

Storm cuffs

microprisms for greater visibility

hood

2030-880-86 Warning yellow

## BP® MULTI PROTECT PLUS

#### The standards:



✓ High-visibility clothing

EN ISO 20471



Protective clothing for use in welding and allied processes

EN ISO 11611 Class 1-A1



Type 6

Protective clothing offering limited protection against liquid chemicals



Wind and weatherproof clothing

protection against

heat and flames

✓ Protective clothing

arc. class 1

against the thermal

hazards of an electric



✓ Clothing for protection against cool environments



✓ Protective clothing - electrostatic characteristics

EN 1149-5



✓ Protective clothing against the thermal hazards of an electric arc. class 2

APC 2

#### This is what BP® Multi Protect Plus offers you:

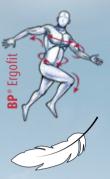
BP® Multi-standard protective clothing combines lightweight properties and a sporty, modern design with the right protection for working under voltage. It offers inherent/permanent flame resistance as well as optimal protection from the thermal hazards of an electric arc. The cotton content of the fabric and the BP® Ergofit details, such as the arm-lift system and the segmented reflective strips, make it particularly comfortable to wear. Design and colour are inspired by the BP Workwear® solution BPlus. Thus, you can easily mix & match the protective clothing and workwear to outfit interdisciplinary teams with a uniform appearance.

#### **Arc protection class 1** (from page 42)

A variety of risks – the world of BP® Multi Protect Plus! At 245 g/m², it's particularly lightweight and comfortable and this along with its high degree of mechanical durability makes the collection perfect for employees who temporarily face a variety of risks while they work.

#### Arc protection class 2 (from page 48)

The collection offers the full safety of arc protection class 2 in the potentially vulnerable areas and is very lightweight even in 2-layer areas.



#### Possible application areas:

- Energy suppliers
- Public utilities
- Flectrical installation
- · Electrical trade
- Electroplating
- Transportation of hazardous goods
- · Chemicals industry

Before selecting the PPE, a risk assessment must be performed (see page 81).

- Plant construction
- Solar plants

#### Wind farms

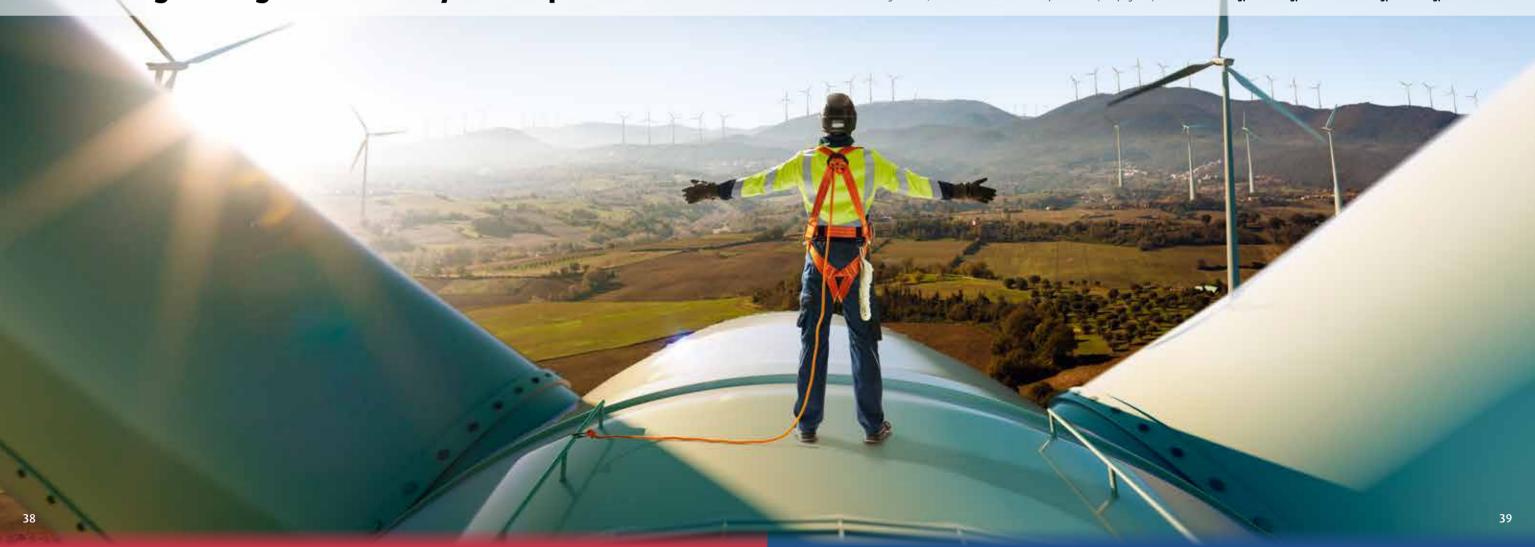
- · Multi-skilled service technicians and
- utility installers
- Night blue/black 245 g/m² + 245 q/m²

The BP® Multi Protect Plus colours:



A Warning yellow/night blue 265 a/m² + 245 a/m²

## **BP® MULTI PROTECT PLUS** Safe. Lightweight. For many more possibilities.



2223-891-6614

## For your team outfit: BP® Multi Protect Plus at a glance.

#### Arc protection class 1



2208-590-6614





2424

2409

BP® Coverall

page 43



2409-581-1432



Arc protection class 2

2238





2438

page 52

2436

BP® Work

trousers

page 52

2437

BP® Work jacket



2438-581-1432





2206

BP® Work

trousers



2207-590-6614

2407 BP® Bib & brace page 44

2406

BP® Work

trousers

page 44



2406-581-1432



**2237** BP® Bib & page 54

BP® Bib क्ष page 53

2437-581-1432

BP® Weatherproof

page 49



### Your product information

35% aramid/30% modacrylic/25% cotton/ 9% polyamide/1% other fibres (antistatic), approx. 245 g/m<sup>2</sup>



Bierbaum-Proenen. Since 1788.



Suitable for industrial laundering as per ISO 15797



BP® Coverall

2409-581-1432

#### Your advantages

- > Extremely lightweight
- > Ergonomic design
- > Certified knee protection as per EN 14404
- > Sizes based on a 3-length system







EN ISO 11612 A1, B1, C1, F1



IEC 61482-2 APC 1 (ATPV = 8.1 cal/cm²)

#### Arc protection class 1

**BP\* Work jacket 2408** Stand-up collar, concealed zip with pressstud band, 2 breast patch pockets with flap fastening, 2 side pockets with fastening and facing, 1 inside Napoleon pocket, ergonomically shaped sleeves, arm-lift system for greater freedom of movement, cuffs with fastening, reflective elements on shoulders, sleeves and the middle of the back

Sizes 44/46n-64/66n, 44/46l-56/58l



**2408-581-1432** Night blue/black

#### BP® Coverall 2409

Stand-up collar, concealed zip with press-stud band, elasticated waistband at the back, 2 breast pockets, 2 side pockets, 1 back pocket with flap fastening, 1 thigh pocket, 1 ruler pocket, arm-lift system for greater freedom of movement, ergonomic cut, reflective elements, knee pad pockets (please order knee pads 1839-000-53 separately)

Sizes 44/46n-64/66n, 44/46l-56/58l



- ✓ Knee pad pockets
- ✓ Concealed zip with press-stud band
- ✓ Versatile pocket solutions



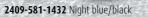
#### KNEE PROTECTION Order at the same time:

certified knee pads Order no. 1839-000-53











#### BP® Work trousers 2406

BP® Work trousers 2406
Slim silhouette, higher elasticated waistband at the back for optimum fit, 2 side pockets, 1 back pocket, 1 large thigh pocket with smartphone patch pocket, ruler pocket sewn down on one side, with pen pockets, ergonomic cut, reflective elements on the legs, knee pad pockets (please order knee pads 1839-000-53 separately)

Sizes 44n-64n, 48l-56l, 48s-58s

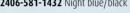
#### KNEE **PROTECTION**

Order at the same time: certified knee pads Order no. 1839-000-53



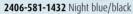






- ✓ Knee pad pockets
- ✓ Ruler pocket sewn down on one side
- ✓ Elasticated waistband at the back for optimum fit





#### Your product information

35% aramid/30% modacrylic/25% cotton/ 9% polyamide/1% other fibres (antistatic), approx. 245 g/m<sup>2</sup>









#### Your advantages

- > Extremely lightweight
- > Ergonomic design
- > Certified knee protection as per EN 14404
- > Sizes based on a 3-length system



EN ISO 11611 Class 1-A1

EN 13034-6



EN ISO 11612 A1, B1, C1, F1





4

IEC 61482-1-2 APC 1 (ATPV = 8.1 cal/cm<sup>2</sup>)



#### BP® Bib & brace 2407

Stretch braces with plastic clip fastenings, double bib pocket with zip and flap fastening, high back, ergonomic cut, 2 side pockets, 1 back pocket with flap fastening, 1 large thigh pocket with smartphone patch pocket, ruler pocket sewn down on one side, with pen pockets, reflective elements on the legs, pre-shaped legs, knee pad pockets (please order knee pads 1839-000-53 separately)

Sizes 44n-64n, 48l-56l, 48s-58s

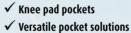
#### KNEE PROTECTION

Order at the same time: certified knee pads Order no. 1839-000-53









✓ Ergonomic design



2407-581-1432 Night blue/black



#### BP® Work jacket 2208

Stand-up collar, concealed zip with press-stud band, 2 breast patch pockets with flap fastening, 2 side pockets with fastening and facing, 1 inside Napoleon pocket, cuffs with fastening, ergonomically shaped sleeves, arm-lift system for greater freedom of movement, 2 reflective strips on each sleeve, 1 continuous horizontal reflective strip, 2 continuous vertical reflective strips on front and back

#### Sizes 44/46n-64/66n, 44/46l-56/58l

Class 2: all sizes

BP® Work jacket combined with BP® Work trousers or BP® Bib & brace: class 3 in all sizes



2208-590-6614 Warning yellow/night blue

#### Your advantages

- Outer fabric in warning vellow: 48.5% modacrylic/34% cotton/17% polyamide/ 0.5% other fibres (antistatic), approx. 265 g/m<sup>2</sup>
- Outer fabric in night blue: 35% aramid/30% modacrylic/25% cotton/

Your product information

9% polyamide/1% other fibres (antistatic), approx. 245 g/m<sup>2</sup>











- > 360° visibility
- > Reflective strips made by 3M, tested after 50 washes
- > Certified knee protection as per EN 14404
- > Sizes based on a 3-length system



EN ISO 20471



EN ISO 11612

EN ISO 11611

freedom of movement

for greater wear comfort







IEC 61482-2 APC 1 (ATPV = 7.1 cal/cm²)

#### BP® Work trousers 2206

as per ISO 15797

Slim silhouette, higher elasticated waistband at the back for optimum fit, 2 side pockets, 1 back pocket, 1 large thigh pocket with smartphone patch pocket, ruler pocket sewn down on one side, with pen pockets, ergonomic cut, 2 continuous reflective strips (7 cm) on each lower leg, knee pad pockets (please order knee pads 1839-000-53 separately)

Sizes 44n-64n, 48l-56l, 48s-58s

**Class 1:** size 44-48 Class 2: from size 50



2206-590-6614 Warning yellow/night blue

- ✓ Versatile pocket solutions
- ✓ Knee pad pockets
- ✓ Segmented reflective strips for greater wear comfort

#### KNEE **PROTECTION**

Order at the same time: certified knee pads Order no. 1839-000-53



#### BP® Bib & brace 2207

Stretch braces with plastic clip fastenings, double bib pocket with zip and flap fastening, high back, ergonomic cut, 2 side pockets, 1 back pocket with flap fastening, 1 large thigh pocket with smartphone patch pocket, ruler pocket sewn down on one side, with pen pockets, 2 continuous reflective strips (7 cm) on each lower leg, pre-shaped legs, knee pad pockets (please order knee pads 1839-000-53 separately)

#### Sizes 44n-64n, 48l-56l, 48s-58s

**Class 1:** size 44-46 Class 2: from size 48



- ✓ Stretch braces with plastic clip fastenings
- ✓ Knee pad pockets
- ✓ Seamented reflective strips for greater wear comfort



2207-590-6614 Warning yellow/night blue



#### KNEE **PROTECTION**

Order at the same time: certified knee pads Order no. 1839-000-53









Arc protection class 2



#### Your product information

48% modacrylic/32% cotton/18% polyester/ 2% other fibres (antistatic), approx. 350 g/m²





Suitable for industrial laundering at 60 °C as per ISO 15797

#### Your advantages

- > High wear comfort due to cotton content
- > Ergonomic fit
- > Can be worn separately or to complement all flame-retardant products of the BProtected\* collection



EN 14058



EN ISO 11612 A1, B1, C1, F1





IEC 61482-2 APC 1

BP® Fleece jacket 2424-860-0014 BP® Work trousers

2206-590-6614 BP® Long-sleeve T-shirt 2421-871-54 BP® MULTI PROTECT PLUS

Available in the following colour:

#### BP® Work jacket 2438

Stand-up collar, zip concealed by press-stud band, 2 breast patch pockets with flap fastening, 2 side pockets with fastening and facing, 1 inside Napoleon pocket, ergonomically shaped sleeves, arm-lift system for greater freedom of movement, cuffs with fastening, reflective elements on shoulders, sleeves and on the middle of the back, 2-layer front and

Sizes 44/46n-64/66n, 44/46l-56/58l





- ✓ Versatile pocket solutions
- ✓ Arm-lift system for greater freedom of movement
- ✓ Zip concealed by press-stud band
- ✓ Cuffs with fastening

2438-581-1432 Night blue/black

#### Your product information

35% aramid/30% modacrylic/25% cotton/ 9% polyamide/1% other fibres (antistatic), approx. 245 g/m<sup>2</sup>







Suitable for industrial laundering as per ISO 15797



#### Your advantages

- > High wear comfort due to cotton content
- > Ergonomic fit
- > Certified knee protection as per EN 14404
- > Sizes based on a 3-length system



EN ISO 11611







EN 13034-6

IEC 61482-2 APC 1

IEC 61482-2

APC 2 in 2-layer areas (ATPV = 29 cal/cm²)

EN 1149-5

#### BP® Work trousers 2436

Slim silhouette, higher elasticated waistband at the back for optimum fit, 2 side pockets, 1 back pocket, 1 large thigh pocket with smartphone patch pocket, ruler pocket sewn down on one side, wit pen pockets, ergonomic cut, reflective elements on the legs, 2-layer front, knee pad pockets (please order knee pads 1839-000-53 separately)

Sizes 44n-64n, 48l-56l, 48s-58s



- ✓ Higher waistband for optimum fit
- ✓ Versatile pocket solutions
- √ Knee pad pockets



KNEE **PROTECTION** 

Order at the same time: certified knee pads Order no. **1839-000-53** 



#### BP® Bib & brace 2437

Stretch braces with plastic clip fastenings, double bib pocket with zip and flap fastening, high back, ergo-nomic cut, 2 side pockets, 1 back pocket with flap fastening, 1 large thigh pocket with smartphone patch pocket, ruler pocket sewn down on one side, with pen pockets, reflective elements on the legs, preshaped legs, 2-layer front, knee pad pockets (please order knee pads 1839-000-53 separately)

Sizes 44n-64n, 48l-56l, 48s-58s



2437-581-1432 Night blue/black



#### KNEE **PROTECTION**

Order at the same time: certified knee pads Order no. 1839-000-53





2436-581-1432 Night blue/black

## Bierbaum-Proenen. Since 1788. BP® Work jacket 2238-590-6614 BP® Bib & brace 2237-590-6614 with the BP" Work trousers or the BP" Bib & brace in all sizes meets the requirements of **high-visibility class 3**.

#### Arc protection class 2

#### BP® Bib & brace 2237

Stretch braces with plastic clip fastenings, double bib pocket with zip and flap, high back, ergonomic cut, 2 side pockets, 1 back pocket with flap fastening, 1 large thigh pocket with smartphone patch pocket, ruler pocket sewn down on one side, with pen pockets, 2 continuous reflective strips (7 cm) on each lower leg, pre-shaped legs, knee pad pockets (please order knee pads 1839-000-53 separately)

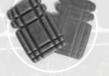
Sizes 44n-64n, 48l-56l, 48s-58s

**Class 1:** size 44-46 **Class 2:** from size 48

- ✓ Versatile pocket solutions ✓ Stretch braces
- with plastic clip fastenings
- ✓ Knee pad pockets
- ✓ Seamented reflective strips for greater wear comfort



2237-590-6614 Warning yellow/night blue



KNEE **PROTECTION** 

Order at the same time: certified knee pads Order no. 1839-000-53

#### BP° Work jacket 2238

Stand-up collar, zip concealed by pressstud band, 2 breast patch pockets with flap fastening, 2 side pockets with fastening and facing, 1 inside Napoleon pocket, cuffs with fastening, ergonomically shaped sleeves, arm-lift system for greater freedom of movement, 2 reflective strips on each sleeve, 1 continuous horizontal reflective strip, 2 continuous vertical reflective strips on front and back, 2-layer front and sleeves

Your product information

Outer fabric in warning yellow:

48.5% modacrylic/34% cotton/

Outer fabric in night blue:

WADAX

at 60 °C as per ISO 15797

Suitable for industrial laundering

approx. 265 g/m<sup>2</sup>

approx. 245 g/m<sup>2</sup>

17% polyamide/ 0.5% other fibres (antistatic),

35% aramid/30% modacrylic/25% cotton/

9% polyamide/1% other fibres (antistatic),

PRO

Sizes 44/46n-64/66n, 44/46l-56/58l

Class 2: all sizes



2238-590-6614 Warning yellow/night blue

#### Your advantages

- > 360° visibility
- > Reflective strips made by 3M, tested after 50 washes
- > Certified knee protection as per EN 14404
- > Sizes based on a 3-length system





EN ISO 20471



solutions

greater freedom

of movement

✓ Zip concealed by

press-stud band

✓ Segmented reflective strips

for greater wear comfort

EN ISO 11612



A1, B1, C1, F1



EN 13034-6



IEC 61482-2 APC 2 in 2-layer areas (ATPV = 22 cal/cm²)

#### BP® Work trousers 2236

Slim silhouette, higher elasticated waistband at the back for optimum fit, 2 side pockets, 1 back pocket, 1 large thigh pocket with smartphone patch pocket, ruler pocket sewn down on one side, with pen pockets, ergonomic cut, 2 continuous reflective strips (7 cm) on each lower leg, 2-layer front, knee pad pockets (please order knee pads 1839-000-53 separately)

Sizes 44n-64n, 48l-56l, 48s-58s

**Class 1:** size 44-48 **Class 2:** from size 50





KNEE **PROTECTION** Order at the same time: certified knee pads Order no. 1839-000-53



2236-590-6614 Warning yellow/night blue

- ✓ Versatile pocket solutions
- ✓ Knee pad pockets
- ✓ Segmented reflective strips for greater wear comfort







#### Arc Protection Class (APC) 1

#### This is what BP® Multi Protect offers vou:

BP® Multi Protect offers you a comfortable clothing solution for working with a variety of different risks. The specially developed fibre blend combines comprehensive protection with high mechanical stability. High wear comfort is achieved thanks to the combination with cotton and it is suitable for activities that involve employees being temporarily exposed to various risks. The collection is suitable for industrial laundering as per ISO 15797.

#### The BP® Multi Protect colours:



Royal blue/black

Dark grey/black

#### Possible application areas:

- Energy suppliers
- Public utilities
- Flectrical installation
- Flectrical trade
- Electroplating
- Transportation of hazardous goods
- Chemicals industry
- Plant construction
- Solar plants
- Wind farms
- Multi-skilled service technicians and utility installers

Before selecting the PPE, a risk assessment must be performed (see page 81).

#### Arc Protection Class (APC) 2

#### This is what BP® Multi Protect offers you:

As a multi-standard collection, BP® Multi Protect offers arc protection class 2 at the same time as lightweight properties. At just 480 g/m<sup>2</sup>, the 2-layer structure  $(320 + 160 \text{ g/m}^2)$  in the potentially vulnerable areas of the clothing is particularly lightweight and offers you inherent/permanent flame protection, as well as optimum protection against the thermal hazards of an electric arc. Due to the **thin lining**, the collection is particularly comfortable to wear and, at the same time, offers you high protection and greater freedom of movement. The collection is also suitable a Ziayer fabric areas for industrial laundering as per ISO 15797 and is

extremely comfortable.

#### The BP® Multi Protect colours:





Royal blue/black



Dark grey/red with reflective strips

#### The standards:





EN ISO 11611 Class 1-A1



Type 6

protection against liquid chemicals

✓ Protective clothing

offering limited



IEC 61482-2 APC 1

Protective clothing against the thermal hazards of an electric

✓ Protective clothing

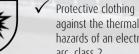
against heat

and flames



Protective clothing - electrostatic

EN 1149-5



against the thermal hazards of an electric arc, class 2

IEC 61482-2 APC 2 in 2-layer areas

only electric light arc APC 2

## For your team outfit: BP® Multi Protect at a glance.



## Arc protection class 1 Arc protection class 2

**2402** BP® Work jacket page 61



2402-820-1332

**2403** BP® Shirt page 62

without arc protection



2403-825-53

2432 BP® Work jacket page 67



2432-820-1332



2432-820-5332

2435 BP® Work jacket with reflective strips



2435-820-5381

2400 BP® Work trousers page 61



2400-820-1332



2400-820-5332

2402-820-5332

**2425** BP® Fleece jacket page 63



2425-860-53

2430 BP® Work trousers page 67



2430-820-1332

2431

brace

page 66

BP® Bib &



2430-820-5332

**2433** BP® Work trousers with reflective strips page 64



2433-820-5381

2401 BP® Bib & brace page 60



2401-820-1332



2421 BP® Long-sleeve T-shirt



2421-871-54



2431-820-1332



2431-820-5332



2434

strips page 65

2434-820-5381



#### BP® Bib & brace 2401

Stretch braces with plastic clip fastenings, double bib pocket with flap fastening, 1 of the pockets with concealed zip, 2 side pockets, thigh pocket with mobile phone patch pocket, both with flap fastening, high back, 1 ruler pocket with flap fastening, 2 back pockets with flap fastening, knee pad pockets (please order knee pads 1839-000-53 separately)

Sizes 44n-64n, 48l-56l, 48s-58s

- ✓ Versatile pocket solutions
- ✓ Stretch braces with plastic clip fastenings
- ✓ Knee pad pockets



#### KNEE **PROTECTION** Order at the same time:

certified knee pads Order no. 1839-000-53



2401-820-1332 Royal blue/black

Bib & brace also available in this colour:



2401-820-5332 Dark grey/black

#### Arc protection class 1

#### BP® Work jacket 2402

Stand-up collar, concealed press-stud band, 2 breast pockets with flap fastening, 2 side pockets with fastening and facing, 1 inside pocket, 1 inside mobile phone pocket with flap, cuffs with fastening

Sizes 44/46n-64/66n, 44/461-56/581



2402-820-5332 Dark grey/black

#### ✓ Versatile pocket solutions

- ✓ Concealed press-stud band
- ✓ Cuffs with fastening





2402-820-1332 Royal blue/black

#### Your product information

35% aramid/30% modacrylic/ 25% cotton/9% polyamide/ 1% other fibres (anti-static), approx. 320 g/m<sup>2</sup>



MIX & MATCH

see page 80



Suitable for industrial laundering as per ISO 15797



#### Your advantages

> Inherent/permanent flame protection

> Sizes based on a

3-length system

- > High wear comfort thanks to cotton content
- > Certified knee protection as per EN 14404
- A1, B1, C1, E1, F1

EN ISO 11611



EN ISO 11612

EN 13034-6

IEC 61482-2 APC 1 (ATPV = 14.6 cal/cm<sup>2</sup>)

4

EN 1149-5

BP® Work trousers 2400

2 side pockets, thigh pocket with mobile phone patch pocket, both with flap fastening, 1 ruler pocket with flap fastening, 2 back pockets with flap fastening, knee pad pockets (please order knee pads 1839-000-53 separately)

Sizes 44n-64n, 48l-56l, 48s-58s

#### KNEE **PROTECTION**

Order at the same time: certified knee pads Order no. **1839-000-53** 









solutions ✓ Knee pad pockets

✓ Versatile pocket



MIX & MATCH with BP® Shirt 2403-825-53 see page 62

**Work trousers** also available in this colour:



2400-820-1332 Royal blue/black

2400-820-5332 Dark grey/black

#### BP® Shirt 2403

Concealed press-stud band, 2 breast pockets with flap and press-stud fastening, 1 with integrated pen pocket, cuffs

Sizes 44/46n-64/66n

- ✓ Concealed press-stud band
- ✓ 2 breast pockets



**2403-825-53** Dark grey

#### Your product information (shirt)

35% aramid/30% modacrylic/25% cotton/ 9% polyamide/1% other fibres (anti-static), approx. 160 g/m<sup>2</sup>





Suitable for industrial laundering as per ISO 15797

#### Your advantages

- > Inherent/permanent flame protection
- > High wear comfort thanks to cotton
- > Sizes based on a 3-length system



A1, B1, C1





#### Arc protection class 1

#### BP® Fleece jacket 2425

Stand-up collar, concealed front zip with pressstand-up collar, concealed front zip with press-stud band, 2 side pockets with zip, ergonomically shaped sleeves, elasticated cuffs, arm-lift system for greater freedom of movement, 2 inside pockets, inside adjustable hem, longer back, horizontal reflective piping on front and back, mix & match with BP® Weatherproof jacket 2230

Sizes XS-3XL







2425-860-53 Dark grey

with BP® Weatherproof jacket 2230-881-85/86 see page 74

#### Your product information (fleece)

48% modacrylic/32% cotton/18% polyester/ 2% other fibres (anti-static), approx. 350 g/m<sup>2</sup>



Suitable for industrial laundering at 60 °C as per ISO 15797



Your advantages



> Can be worn both separately and with all flame-retardant products in the BProtection® collection



EN ISO 11612 A1, B1, C1, F1





IEC 61482-2 APC 1

BP® Long-sleeve T-shirt 2421

Long sleeve, round neck, cuffs, length 72 cm

Sizes XS-3XL



**2421-871-54** Blue grey

#### Your product information (T-shirt)

63% viscose/34% aramid/2% elastane/ 1% other fibres (anti-static), approx. 200 g/m<sup>2</sup>





#### Your advantages

- > Inherent/permanent flame protection
- > Comfortable & with good stretch properties









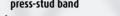


#### BP® Work jacket 2435

Stand-up collar, front zip concealed by press-stud band, 2 breast pockets with flap fastening, 2 side pockets with fastening and facing, 1 inside mobile phone pocket with flap, cuffs with fastening, 2-layer front and sleeves, with reflective strips

Sizes 44/46n-64/66n





- ✓ Versatile pocket solutions ✓ Front zip concealed by press-stud band
- ✓ Cuffs with fastening



MIX & MATCH with BP® Tube scarf 2410-196-10 see page 80

#### Your product information

35% aramid/30% modacrylic/25% cotton/ 9% polyamide/1% other fibres (anti-static), approx.  $320 \text{ g/m}^2 + 160 \text{ g/m}^2 \text{ in } 2\text{-layer areas}$ 





Suitable for industrial laundering as per ISO 15797





#### Your advantages

- > Inherent/permanent flame protection
- > High wear comfort thanks to cotton content
- > Particularly lightweight 2-layer design
- > Certified knee protection as per EN 14404
- > Sizes based on a 3-length system



EN ISO 11611 Class 1-A1 EN ISO 11612





APC 1 (ATPV =

IEC 61482-2 14,6 cal/cm<sup>2</sup>)

IEC 61482-2 APC 2 in 2-layer areas (ATPV = 31.9 cal/cm²)

EN 1149-5

#### BP® Work trousers 2433

2 side pockets, thigh pocket with mobile phone patch pocket, both with flap fastening, 1 ruler pocket with flap fastening, 2 back pockets with flap fastening, 2-layer front, with reflective strips, knee pad pockets (please order knee pads 1839-000-53 separately)

Sizes 44n-64n



- ✓ Versatile pocket solutions
- ✓ Knee pad pockets



#### KNEE **PROTECTION**

Order at the same time: certified knee pads Order no. 1839-000-53



2433-820-5381 Dark grey/red

#### BP® Bib & brace 2434

Stretch braces with plastic clip fastenings, double bib pocket with flap fastening, 1 of the pockets with concealed zip, 2 side pockets, thigh pocket with mobile phone patch pocket, both with flap fastening, high back, 1 ruler pocket with flap fastening, 2 back pockets with flap fastening, 2-layer front, with reflective strips, knee pad pockets (please order knee pads 1839-000-53 separately)

Sizes 44n-64n



MIX & MATCH with BP® Shirt 2403-825-53 see page 62

✓ Versatile pocket solutions

✓ Stretch braces with plastic clip fastenings

✓ Knee pad pockets



**PROTECTION** Order at the same time:

certified knee pads

Order no. 1839-000-53





**2434-820-5381** Dark grey/red



# BP® Work jacket 2432 820 5332 BP® Bib & brace 2431 820 5332

#### Arc protection class 2

#### BP® Bib & brace 2431

Stretch braces with plastic clip fastenings, double bib pocket with flap fastening, 1 of the pockets with concealed zip, 2 side pockets, thigh pocket with mobile phone patch pocket, both with flap fastening, high back, 1 ruler pocket with flap fastening, 2 back pockets with flap fastening, 2-layer front, knee pad pockets (please order knee pads 1839-000-53 separately)

Royal blue/black

Sizes 44n-64n

Dark grey/black

Sizes 44n-64n, 48l-56l, 48s-58s

- ✓ Versatile pocket solutions
- ✓ Stretch braces with plastic clip fastenings
- ✓ Knee pad pockets



#### KNEE **PROTECTION**

Order at the same time: certified knee pads Order no.

1839-000-53



**2431-820-5332** Dark grey/black

Bib & brace also available in this colour:



2431-820-1332 Royal blue/black

#### Multi-standard protection – lightweight & comfortable

#### BP® Work jacket 2432

Stand-up collar, front zip concealed by pressstud band, 2 breast pockets with flap fastening, 2 side pockets with fastening and facing. 1 inside mobile phone pocket with flap, cuffs with fastening, 2-layer front and sleeves

Royal blue/black

Sizes 44/46n-64/66n

Dark grey/black Sizes 44/46n-64/66n, 44/461-56/581



2432-820-1332 Royal blue/black see page 80

#### Your advantages

- > Inherent/permanent flame protection
- > High wear comfort thanks to cotton content
- > Particularly lightweight 2-layer design
- > Certified knee protection as per EN 14404
- > Sizes based on a 3-length system



✓ Versatile pocket

✓ Front zip concealed

by press-stud band

✓ Cuffs with fastening

solutions

EN ISO 11611 Class 1-A1



EN 13034-6



EN ISO 11612

IEC 61482-2 APC 1 (ATPV =



Work jacket also available in this colour:

2432-820-5332

Dark grey/black

EN 1149-5

in 2-layer areas (ATPV = 31.9 cal/cm²) 14.6 cal/cm<sup>2</sup>)

#### BP® Work trousers 2430

2 side pockets, thigh pocket with mobile phone patch pocket, both with flap fastening, 1 ruler pocket with flap fastening, 2 back pockets with flap fastening, 2-layer front, knee pad pockets (please order knee pads 1839-000-53 separately)

Your product information

XEOXW

in 2-layer fabric areas

35% aramid/30% modacrylic/25% cotton/

9% polyamide/1% other fibres (anti-static),

approx. 320 g/m<sup>2</sup> + 160 g/m<sup>2</sup> in 2-layer areas

Suitable for industrial laundering as per ISO 15797

Royal blue/black

Sizes 44n-64n

Dark grey/black

Sizes 44n-64n, 48l-56l, 48s-58s

#### KNEE **PROTECTION**

Order at the same time: certified knee pads Order no. 1839-000-53









2430-820-1332 Royal blue/black



✓ Knee pad pockets



MIX & MATCH with BP® Shirt 2403-825-53 see page 62

Work trousers also available in this colour:



2430-820-5332 Dark grey/black



Available in the following colours:



#### This is what BP® Hi-Vis Protect offers you:

As modern high-tech protective clothing, BP® Hi-Vis Protect meets several protection requirements simultaneously, e.g. welder protection, inherent flame resistance, anti-static properties, resistance to electric fault arcs and chemical protection. In addition, it offers you high visibility protection and the comprehensive comfort of a typical BP® collection. Optimum visibility both day and night and suitability for industrial laundering in compliance with ISO 15797 add the finishing touch to the collection. A combination that makes BP® Hi-Vis Protect unique.

#### The standards:



✓ High-visibility clothing





Protective clothing for welding and related processes

EN ISO 11611 Class 1-A1



EN 13034 Type 6

protection against liquid chemicals



✓ Wind and weatherproof clothing



EN ISO 11612 A1, B1, C1, F1 A1, B1, C2, F1



against the thermal hazards of an electric

✓ Protective clothing

Clothing for protection against cool environments

EN 14058

Protective clothing - electrostatic

properties

EN 1149-5

#### The BP® Hi-Vis Protect colours:



8653

Warning orange/dark grey

Warning yellow/dark grey

#### Possible application areas:

- Petrochemicals industry

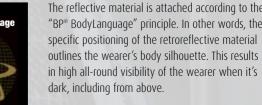
Transport companies

- Energy suppliers
- Public utilities
- · Road building and railway construction
  - Transportation of hazardous goods
  - Chemicals industry
  - Electrical trade

Before selecting the PPE, a risk assessment must be performed (see page 81).

#### The BP® BodyLanguage:





The reflective material is attached according to the "BP® BodyLanguage" principle. In other words, the specific positioning of the retroreflective material outlines the wearer's body silhouette. This results

The high-visibility protection

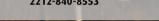
All item combinations of tops and bottoms comply

classes in combination:

with high-visibility protection class 3.

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2212-840-8653

2230 BP® Weatherproof jacket





2213-840-8553







2232



2425-860-53



proof trousers page 75



BP® Fleece jacket 2225

Sizes XS-3XL Class 3: all sizes

Stand-up collar, concealed front zip with press-stud band, 2 side pockets with zip,

ergonomically shaped sleeves, elasticated cuffs, arm-lift system for greater freedom of movement, 2 inside pockets, inside adjustable hem, longer back, with reflective strips for 360° visibility

48% modacrylic/32% cotton/18% polyester/

2% other fibres (anti-static), approx. 360 g/m²

Your product information

®XDAP

Suitable for industrial laundering at 60 °C as per ISO 15797

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Your advantages

> 360° visibility

> Ergonomic fit

> Inherent/permanent flame protection



BP® Fleece jacket

2225-860-86

2212-840-8553

**2213** BP® Work trousers with knee pad pockets page 73



2214 BP® Bib & brace with knee pad pockets page 72



HI-VIS PROTECT



#### BP® Bib & brace 2214

Stretch braces with plastic clip fastenings, double bib pocket with flap fastening, 1 of the pockets with concealed zip, 2 side pockets, thigh pocket with smartphone patch pocket. thigh pocket and smartphone pocket with flap fastening, high back, 1 ruler pocket, 1 back pocket with flap fastening, with reflective strips for 360° visibility, knee pad pockets (please order knee pads 1839-000-53 separately)

Warning orange/dark grey

Sizes 44n-64n, 48l-56l, 48s-58s

Warning yellow/dark grey

Sizes 44n-64n, 48s-58s

Class 2: all sizes

#### KNEE **PROTECTION**

Order at the same time: certified knee pads Order no. 1839-000-53





2214-840-8653 Warning yellow/dark grey

Bib & brace also available in this colour:



comfort

✓ Knee pad pockets

✓ High back for wear

2214-840-8553 Warning orange/dark grey

#### BP® Work trousers 2213

Elasticated back waistband for optimum fit, 2 side pockets, thigh pocket with smartphone patch pocket, thigh pocket and smartphone pocket with flap fastening, 1 ruler pocket, 1 back pocket with flap fastening, with reflective strips for 360° visibility, knee pad pockets (please order knee pads 1839-000-53 separately)

Warning orange/dark grey

Sizes 44n-64n, 48l-56l, 48s-58s

Warning yellow/dark grey

Sizes 44n-64n, 48s-58s

Class 2: all sizes

#### KNEE **PROTECTION**

Order at the same time: certified knee pads Order no. 1839-000-53





2213-840-8553 Warning orange/dark grey

## ✓ Elasticated back waistband for optimum fit

✓ Knee pad pockets



Work trousers also available in this colour:



2213-840-8653 Warning yellow/dark grey

#### Your product information

31% polyester/28% modacrylic/ 20% aramid/20% viscose/

1% other fibres (anti-static), approx. 320 g/m<sup>2</sup>





Suitable for industrial laundering as per ISO 15797





#### Your advantages

- > Inherent/permanent flame protection
- > 360° visibility
- > High wear comfort thanks to viscose content
- > 3M retroreflective strips
- > Certified knee protection as per EN 14404
- > Sizes based on a 3-length system



EN 1149-5

EN ISO 20471 EN ISO 11611



EN 13034

IEC 61482-2 APC 1 ATPV =

EN ISO 11612

A1, B1, C1, F1

BP® Work jacket 2212

Stand-up collar, concealed press-stud band, 2 breast pockets with flap fastening, 2 side pockets with fastening and facing, 1 inside pocket, 1 inside mobile phone pocket with flap, cuffs with fastening, with reflective strips for 360° visibility

Warning orange/dark grey

Sizes 44/46n-64/66n, 44/46l-56/58l

Warning yellow/dark grey Sizes 44/46n-64/66n

Class 2: size 44/46 Class 3: from size 48/50



2212-840-8553 Warning orange/dark grey





2212-840-8653 Warning yellow/dark grey



#### Your product information

Outer fabric: 31% polyester/28% modacrylic/20% aramid/ 20% viscose/1% other fibres (anti-static), approx. 350 g/m<sup>2</sup> Lining: 60% viscose/40% modacrylic

Membrane: 100% polyurethane







at 60 °C as per ISO 15797









EN 14058 Class 2 in combination with BP® Fleece jacket 2425



EN ISO 11611



Your advantages

> 360° visibility

> Ergonomic fit



> Inherent/permanent flame protection

> Suitable for all weather conditions

> Water column: 6,000 mm,

breathability: class 3

> Waterproof, windproof

thanks to BP\_protection® membrane

> 2-layer direct laminate for moisture protection





BP® Weatherproof trousers 2232

Zip-in high back with extra-wide detachable straps, elasticated back waistband with button adjustment, heat-sealed seams, 2 side pockets, thigh pocket with smartphone patch pocket, thigh and smartphone pocket with flap fastening, 1 ruler pocket, 1 back pocket with flap fastening, with reflective strips for 360° visibility, ankle with side zip to facilitate putting on and taking off, with additional waterproof flap fastening

Sizes XSn-3XLn

Class 2: all sizes



**2232-881-86** Warning yellow





2232-881-85 Warning orange





#### BP® Welder's Comfort offers you:

The BP® welder protection clothing has a slimmer fit and offers the wearer remarkable comfort, greater freedom of movement and a modern, cool look! Developed in close collaboration with professional welders, BP® Welder's Comfort stands for a new generation of protective clothing that makes working with hot metals, electric arcs and gas much more comfortable. It offers comfortable safety with many useful details.

#### The standards:



Protective clothing for welding and related processes

EN ISO 11611 Class 2-A1





Protective clothing - electrostatic properties



Clothing to protect

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



Protective clothing against the thermal hazards of an electric

#### The BP® Welder's Comfort colour:



Anthracite/black

#### Possible application areas:

- Steelworks
- Mechanical and plant engineering
- Metal construction
- Maintenance, assembly and construction
- Repair shops
- Automotive industry
- Supply companies
- Workshops

Before selecting the PPE, a risk assessment must be performed (see page 81).

#### BP® Work jacket 2612

Stand-up collar with velcro fastening, concealed press-stud band, 2 breast patch pockets with flap fastening, 2 side pockets with fastening and facing, 1 inside Napoleon pocket, ergonomically shaped sleeves, armlift system for greater freedom of movement, inside knitted cuffs for comfortable protection, reflective piping on the sleeves and the middle of the back

Sizes 44/46n-64/66n, 44/461-56/581





2612-835-5632 Anthracite/black

#### Your product information

43% modacrylic/33% cotton/14% polyamide/ 9% lyocell/1% other fibres (anti-static), approx. 430 g/m<sup>2</sup>







#### Your advantages

- > Inherent/permanent flame protection
- > Soft fabric for maximum wear comfort
- > Ergonomic fit for freedom of movement
- > Reflective piping on the back for better visibility



EN ISO 11611



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



维

IEC 61482-2

#### BP® Work trousers 2610

Double button fastening on waistband and elasticated back for an optimum fit, ergonomic cut, 2 side pockets, 1 large thigh pocket with inside smartphone pocket, thigh pocket with flap fastening, 1 ruler pocket with pen patch pockets and flap fastening, 1 back pocket with flap fastening, pre-shaped leg, reflective piping at the side and back of the lower leg, knee pad pockets (please order knee pads 1839-000-53 separately)

Sizes 44n-64n, 48l-56l, 48s-58s



Order at the same time: certified knee pads
Order no. **1839-000-53** 





- √ Thigh pocket with integrated smartphone pocket
- ✓ Ruler pocket with pen patch pockets



**2610-835-5632** Anthracite/black

#### BP® Bib & brace 2611

Extra-wide stretch braces for better wear comfort with plastic clip fastenings, ergonomic cut, double bib pocket with flap fastening, 1 of the pockets with concealed zip, 2 side pockets, 1 large thigh pocket with inside smartphone pocket, thigh pocket with flap fastening, high back, stretch insert at the side for comfortable protection, 1 ruler pocket with pen patch pockets and flap fastening, 1 back pocket with flap fastening, pre-shaped leg, reflective piping at the side and back of the lower leg, knee pad pockets (please order knee pads 1839-000-53 separately)

Sizes 44n-64n, 48l-56l, 48s-58s

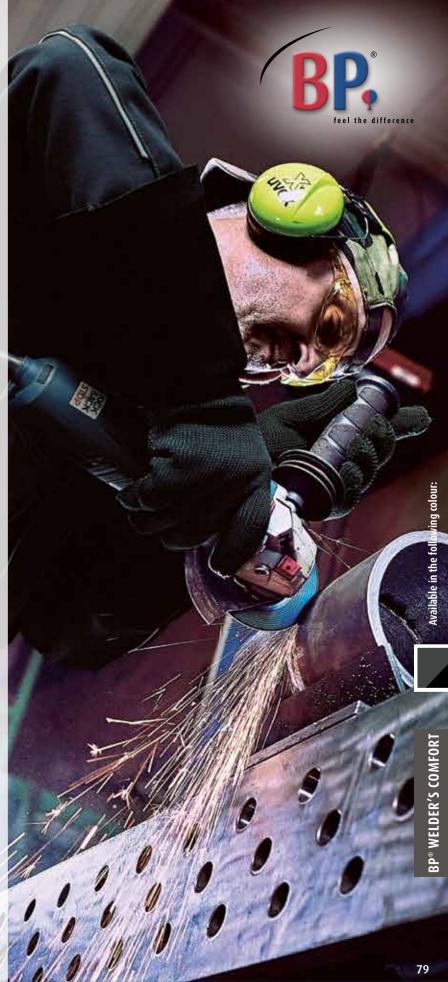


**2611-835-5632** Anthracite/black

#### KNEE **PROTECTION**

Order at the same time: certified knee pads Order no. **1839-000-53** 





## Complement your outfit.

#### 1| BP® Tube scarf 2410-196-10

Soft, comfortable tube scarf made of flame-retardant material to protect the head and neck. This fabric is suitable for use in clothing that protects against heat and flames in accordance with EN ISO 11612 Codes A1, B1, C1. If the wearer is correctly earthed, electrostatic charges are dissipated in accordance with EN 1149-5.

48.5% aramid/48.5% viscose/3% antistatic fibres One size (001)

#### 2 BP° Leather belt 1889-001-32

Genuine leather, solid metal buckle with BP° logo, 4 cm wide, can be cut to length (for waist circumference up to 126 cm)

100% leather One size (001)

#### 3| BP° Belt 1499-001-32

Metal buckle with BP $^{\rm o}$  logo, 4 cm wide, can be cut to length (for waist circumference up to 130 cm)

100% polyester One size (001) Pack of 3

#### 4| BP® Belt 1067-001-0032

Flame-retardant, adjustable buckle made of polyamide 6.6, belt made of elastic webbing, 4 cm wide, can be cut to length, tested according to EN ISO 11612: limited flame spread (see Code A1) and thermal resistance (shrinkage) 58% polyester/23% modacrylic/19% cotton

#### 5| BP° Belt 1077-001-0032

Adjustable buckle made of polyamide 6.6, belt made of elastic webbing, 4 cm wide, can be cut to length (for waist circumference up to 130 cm)

100% polyester One size (001)

One size (001)

#### 6 BP® Worker socks 1069-169-99

Extra-flat seams, particularly soft cushioning in the areas subject to the greatest pressure, anatomical toe shaping 80% cotton/17% polyamide/3% elastane Sizes 39-42, 43-46 5 pairs = pack of 10

#### 7| BP® Knee pads 1839-000-53

Accessories in BP® quality: the BP® knee protection meets all regulations as specified in EN 14404 type 2 "Knee protectors for working in the kneeling position" as personal protective equipment (PPE) under the terms of Regulation (FU) 2016/423.

According to the EU standard, BP® Knee pads 1839-000-53 are suitable for all work on even floor surfaces, provided they are used in conjunction with the certified BP® trousers. ALL BP® trousers with knee pockets meet these requirements!

One size (001) 3 pairs = pack of 6



### Basic facts about PPE.



Before selecting the PPE, the employer must perform a risk assessment in order to determine the required protection level of the clothing (see Sections 3, 4, 5 of the German Labour Protection Law – ArbSchG).

In addition, a practical wash/wear test is essential.

Before carrying out the risk assessment, the user should ask the following four questions:

**WHO** is to be protected? **WHAT** has to be protected (e.g. torso, head, hands)?

**WHY** is protection required? **WHEN** is protection to be provided (e.g. for all work carried out)?

The risk assessment takes places in several stages:

- 5. Implementing the measures
- 6. Checking implementation and the effectiveness of the measures
- 4. Establishing specific occupational safety measures 7. Updating the risk assessment

Risks must always be eliminated or reduced directly at source. If risks cannot be sufficiently minimised, additional organisational measures have to be taken, followed by personal measures: the **"TOP principle"**.

1. Preparing the risk assessment

2. Identifying the risks

3. Assessing the risks

T Technical measures, e.g. light barriers on moving machine parts

**0** Organisational measures, e.g. limiting the amount of time spent working under high physical stress **P** Personal measures, e.g. using personal protective equipment

Once the results of the risk assessment are available (which risks occur and which protective effects have to be achieved by the use of PPE), the textile PPE can be determined.

The European Regulation (EU) 2016/425 on personal protective equipment (PPE) has been applied since 21 April 2018. It repeals the Directive 89/686/EEC and is directly applicable within the EU. Since then, all EU states have had to adhere to this regulation when it comes to the manufacture and supply of PPE.

The Regulation (EU) 2016/425 regulates the terms for the supply of PPE on the market and the free movement within the European Community. In addition, it formulates the fundamental safety requirements that PPE must meet in order to protect the health of the user and ensure his/her safety.

CE stands for Conformité Européenne and means "compliance with EU quidelines"

#### Risk categories of personal protective equipment

Every PPE is to be classified according to the risk categories outlined in Annex 1 of the PPE Regulation (EU) 2016/425.

The categorisation is carried out according to the risk from which the PPE is meant to protect.

The following are the three distinct categories:

**Category I:** simple PPE to protect against minimal dangers (e.g. weatherproof clothing).

This PPE does not require certification by an external inspection body and is not subject to EU supervision.

**Category II:** PPE to protect against medium risks (e.g. high-visibility clothing). This PPE is certified by an external inspection body but is not subject to EU supervision.

Category III: complex PPE to protect against lethal hazards and irreversible damage to health (e.g. clothing that is resistant to welding spatters, heat, electric arcs and chemicals).

This PPE must be certified by an external inspection body and is subject to EU supervision.

Items in PPE category III carry the CE mark with a four-figure identification number in the form "CE xxxx".

This indicates the independent quality-assurance inspection body that regularly checks the PPE clothing for conformity with the fundamental requirements of the applicable regulation.

All BProtected® items meet the requirements of the PPE Regulation (EU) 2016/425.

Risk assessment procedure

Who? Why? What? When?

PPE Regulation (EU) 2016/425



8

#### BP® PPE.

#### BP® manufacturer information

In accordance with the EU Regulation 2016/425, BP® has published an information brochure for each PPE line. This is published in six languages and explains the standards and their specific protection classes for correct use, as well as for care and maintenance. The manufacturer information must be read carefully before using the clothing.



BP® sew-in labels



The inside of an item of protective clothing looks like a picture book! And with good reason: the wearer of the clothing must be aware of the properties of the personal protective equipment. Consequently, each item is displayed with symbols that accurately describe the properties of the clothing.

#### Information about care

Before each use, the protective effect and intactness of the PPE clothing and its function must be checked and, if necessary, renewed. The item of clothing can only guarantee the required protection in the long term if cared for correctly. You will find care instructions in the BP® manufacturer information and the BP® sew-in labels.

The following examples demonstrate the importance of the right care:

- The use of fabric softeners may impair the flame retardant properties.
- Dirt can considerably reduce the visual impact of high-visibility clothing.
- Greases and oils can have a negative impact on the flammability of welder protection clothing.
- Washing out impregnations can considerably reduce the effect of chemical protection.

#### Repair

Incorrect repairs can destroy the certified protective effect of the clothing. Only original materials may be used for replacements or repairs.

#### Transport & storage

The clothes must be stored and transported in a dry, dust-free place away from direct sunlight. Excessively compressed storage should be avoided in order to prevent creasing.

Individualisation (embroidered logos, transfer prints and emblems)

Certification body

The application of monograms or trademarks or other modifications to the clothing can impair its certified protective function. For example, a logo or emblem applied to high-visibility clothing can lower the protection class if the required minimum area of fluorescent material is not maintained. For each of its collections, BP® has developed a certified individualisation system to ensure compliance with existing standards. To find out more, please send an e-mail to service@bierbaum-proenen.de

BP® commissions an independent inspection body, also known as a notified body, to carry out EU-type examinations confirming that the PPE model in question complies with the applicable provisions of EU Regulation 2016/425. The products shown in the catalogue were tested and certified by the following inspection bodies:

- STFI Sächsisches Textil Forschungsinstitut e.V., Annaberger Straße 240, 09125 Chemnitz, Germany
- Hohenstein Laboratories GmbH & Co. KG certification body, Schlosssteige 1, 74357 Boennigheim, Germany
- · Aitex Asociación de investigación de la indústria textil, Plaza Emilio Sala 1, 03801 Alcoy (Alicante), Spain
- IFA Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung, Alte Heerstraße 111, 53754 Sankt Augustin, Germany

### PPE standards & performance levels.

All information is supplied without quarantee.



#### Protective clothing – general requirements

This standard is a reference standard for other standards. It specifies general performance requirements for ergonomics, innocuousness, size designation, ageing, tolerance, marking of protective clothing and the information to be supplied by the manufacturer together with the protective clothing. It is only used in combination with other standards containing requirements for specific protective performance. It was published in 2013 in the EU Official Journal and so supersedes the previous standard EN 340.



The number next to the pictogram (here x) indicates the clothing class according to the following overview.

Class 1 =  $0.14 \text{ m}^2 \text{ BM} + 0.10 \text{ m}^2 \text{ RM}$  (e.g. waistcoat) Class 2 =  $0.50 \text{ m}^2 \text{ BM} + 0.13 \text{ m}^2 \text{ RM}$  (e.g. jacket)

Class 3 =  $0.80 \text{ m}^2 \text{ BM} + 0.20 \text{ m}^2 \text{ RM}$ (e.g. weatherproof jacket)

BM = background material, RM = reflective material

#### Clothing for protection against cool environments The standard defines a cool environment as a

Protective clothing as a visual warning to draw

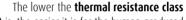
attention to the wearer in all possible daytime light

conditions (daytime visibility thanks to fluorescent

vehicle headlights in the dark (night-time visibility

background material) and when illuminated by

possible combination of air humidity and wind at temperatures of -5 °C and above.



resistance class R<sub>ct</sub> (m<sup>2</sup> K/W) (R<sub>ct</sub> value) is, the easier it is for the human-produced •  $0.06 \le R_{ct} < 0.12 = class 1$ warmth to escape through the clothing. •  $0.12 \le R_{ct} < 0.18 = class 2$ 

#### Air permeability (AP)

High-visibility

thanks to reflective material).

There are 3 possible classes. Class 1 materials are suitable for low air velocities of less than 1 m/s. such as cool indoor environments, class 2 materials are suitable for air velocities of less than 5 m/s and class 3 materials are suitable for high air velocities  $\geq 5$  m/s, such as outdoor activities.



#### "y2" corresponds to the air permeability class AP (mm/s)

100 < AP = class 1 $5 < AP \le 100 = class 2$  $AP \le 5 = class 3$ 

"v1" corresponds to the thermal

•  $0.18 \le R_{ct} < 0.25 = class 3$ •  $0.25 \le R_{ct} = class 4$ 

"y3" corresponds to the basic thermal insulation value I<sub>cler</sub> (optional for class 1-3)

#### "WP" corresponds to the resistance to water penetration (optional)

If these values have not been tested, the letters "v" and "WP" will be replaced with "x".

#### EN 1149-1

Part 1: test method for measurement of surface resistivity

#### EN 1149-2

Part 2: test method for measurement of the electrical resistance through a material

#### EN 1149-3

Part 3: test method for measurement of charge decay

#### EN 1149-5

Part 5: material performance and design requirements

#### Anti-static protective clothing

Protective clothing against electric charging according to EN 1149 protects the wearer against inflammable discharges. This standard does not apply to the protection against supply voltage.

EN ISO 13688:2013



EN ISO 20471



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#### Wind and weather protection

Clothing that protects against weather conditions such as rain, snow, fog, humidity and wind.

4 = high protection, 1 = low protection

The lower number (here y) indicates the resistance

The upper number (here v) indicates the resistance

to water transmission (resistance to the penetration

to water vapour transmission and therefore the degree of water vapour transport through the outer fabric to the outside:

4 = very good transport, 1 = poor transport

#### Resistance to water transmission (waterproof property):

Class 1 and 2: ≥ 8000 Pa

of water from outside):

Class 3: ≥ 13,000 Pa (≥ 1.3 m water column)

Class 4: ≥ 20.000 Pa

#### Resistance to water vapour transmission (breathability/R<sub>et</sub> value):

Class 1:  $R_{et} > 40$ 

Class 2:  $25 < R_{ot} \le 40$ 

Class 3:  $15 < R_{ot} < 25$ 

Class 4:  $R_{et} \le 15$ 

R: finished garment tested in the rain tower (optional).

If the garment has not been tested, R is replaced by x.



EN ISO 11611 Class 1 or 2

#### Protective clothing for welding and allied processes

the wearer against welding spatters (small spatters of molten metal), brief contact with flames and radiant heat from the arc. Under standard welding conditions, it offers limited electrical insulation against electrical conductors under direct current (up to about 100 V).



#### Clothing to protect against heat and flames

The requirements apply to clothing intended for a wide range of applications. This protective clothing has a limited flame spread and provides protection against radiant heat, convective heat and/or contact heat and/or spatters of molten metal.

This type of protective clothing is intended to protect The standard specifies two classes that are defined by the amount of welding spatters:

#### Impact of welding spatters:

**Class 1** ≥ 15 drops – protection against less hazardous welding work and situations with few welding spatters and low radiant heat

**Class 2** > 25 drops – protection against more hazardous welding work and situations with more welding spatters and higher radiant heat

#### Flame spread:

**A1** = surface flaming. **A2** = edge flaming

#### A Contact with flames

Testing limited flame spread

**A1** = surface flaming, **A2** = edge flaming

#### **B** Convective heat

Determination of the heat transmission through materials on application of a flame

**B1** 4 to < 10 seconds, **B2** 10 to < 20 seconds,

**B3** min. 20 seconds

#### C Radiant heat

Determination of the heat transmission through materials on application of radiant heat

**C1** 7 to < 20 seconds, **C2** 20 to < 50 seconds,

**C3** 50 to < 95 seconds, **C4** min. 95 seconds

#### D Liquid aluminium spatters

Testing the protective effect with molten aluminium

**D1** 100 q to < 200 q, **D2** 200 q to < 350 q, **D3** min. 350 q

#### E Liquid iron spatters

Testing the protective effect with molten iron **E1** 60 q to < 120 q, **E2** 120 q to < 200 q, **E3** min. 200 q

Testing the protective effect with a contact temperature of 250 °C **F1** 5 to < 10 seconds. **F2** 10 to < 15 seconds. **F3** min. 15 seconds

## PPE standards & performance levels.

All information is supplied without quarantee.

#### Fluid repellence/resistance to the penetration of fluids

30% sulphuric acid (H<sub>2</sub>SO<sub>4</sub>) 10% sodium hydroxide (NaOH) 0-xvlene undiluted Butan-1-ol undiluted

**Type 6:** limited protection against spray (lowest type of 6 classifica-

#### Testing the resistance to arc interference of material

and protective clothing using the box-test method and additional calorimetric heat flow measurement to assess the protective effect against second degree burns. Arc protection classes 1 and 2 represent safety requirements that cover actual hazards posed by electric arcs.

Arc protection class (APC) 1 – 4 kA/0.5 sArc protection class (APC) 2 - 7 kA/0.5 s

The tested protective clothing is not electrical insulating protective clothing, for example, in compliance with EN 50286:1999 "Electrical insulating protective clothing for work on low-voltage installations".

Important parameters for the box test:

#### Protection class 1:

#### 0.5 seconds

Short-circuit current 4 kA

• 158 kl

135 kI/m²

#### Protection class 2:

0.5 seconds

Short-circuit current 7 kA

· 318 kl 423 kl/m²

> kA = kiloampere kJ = electrical arc energy  $kI/m^2$  = incident energy

#### Performance levels:

**Level 0:** knee protection that is suitable for work on even floors and that does not offer protection against puncture.

**Level 1:** knee protection that is suitable for working on even or uneven floors and that offers protection against puncture at a force of at least 100 (± 5) N.

**Level 2:** knee protection that is suitable for working on even or uneven floors under difficult conditions and that offers protection against puncture at a force of at least 250 (± 10) N.

#### The knee protection offered by BP® always corresponds to performance level 0 or 1, type 2.

**Type 2:** plastic foam or other padding in pockets on the trouser legs or padding that is permanently attached to the trousers.



#### Protective clothing against liquid chemicals - type 6

This protective clothing provides protection against slight, low-pressure chemical spatters. This clothing is not suitable as protection against solvents. Suitability for protection against chemicals must be determined individually for each chemical, depending on concentration and temperature.



## EN 13034 Type 6

#### Protective clothina against the thermal hazards of an electric arc

This protective clothing protects the wearer against the thermal effects of a defined electric arc and prevents further burning. The resulting fireball (flames, heat radiation and hot, sometimes glowing metal spatters) is only briefly explosive (0.5 s) but can be very highenergy. The temperature of the flame can rise as high as 9000 °C.



#### IEC 61482-2 in conjunction with IEC 61482-1-2

IFC 61482-1-2 describes a standardised test procedure (box test), IEC 61482-2 describes the requirements of the clothing.

**IEC** = International Electrotechnical Commission

#### Knee protection for work in the kneeling position

This standard specifies the knee protection requirements for work in the kneeling position. In addition to the requirements for the labelling of knee protection and manufacturer's information, it defines test procedures and performance levels. Knee protection must be safe to use and fit for purpose. It must be designed and manufactured in such a way that it offers protection without endangering the wearer if used according to the manufacturer's instructions.



## The BProtected® glossary.

#### Anti-static fibres

... are synthetic fibres with hygroscopic properties, which means that they absorb humidity from the air to make them more conductive.

#### Aramids

... are aromatic polyamides, namely polyamides that contain a benzene ring. They are flame-retardant and resist high thermal loads. As a rule, we differentiate between meta-aramids and para-amids.

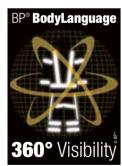
Meta-aramids offer inherent flame protection and resist high thermal loads. They do not melt or drip but carbonise at approx. 285 °C. Meta-aramids withstand temperatures of up to 175 °C without loss of strength and, even at 250 °C, only lose approx. 50% of their original strength. They also offer high chemical resistance and good insulation against heat and cold.

Para-aramids offer inherent flame resistance and withstand high thermal loads. They do not melt or drip and, thanks to their good stretching properties and high strength, are blended into PPE protective fabrics.

#### ATPV (Arc Thermal Performance Value)

... is the result of a test standard applied in Canada/USA, known as the "Arc-man" test". In this test procedure, a statistical method is used to determine the incident energy with which there is a 50% likelihood of suffering a second-degree burn from an electric arc. The incident energy is measured in cal/cm<sup>2</sup>. The EU PPE Regulation does not allow test methods that tolerate such injuries. Here, the ATPV serves only as a quide value to help the user select appropriate PPE. The higher the ATPV, the higher the protection against an electric arc.

#### BP® BodyLanguage



... refers to the specific arrangement of the reflective strips in the BP® Hi-Vis Comfort and BP® Hi-Vis Protect collections. In these collections, the retroreflective material outlines the wearer's body silhouette. This results in high all-round visibility of the wearer at night, including from above.



#### DuraClean

... is a permanent fabric finish that acts as dirt barrier and that improves stain removal during the washing process.

#### Inherent flame resistance

... refers to the non-flammability of a material. It means that the material itself is permanently and inherently flame-retardant. So inherent flame resistance is a permanent property and differs from material finishes containing flame-retardant substances.

Incident energy limit as an additional rating for the performance of an electric arc. ELIM is a new part of the IEC 61482-1-1, test method 1: determination of the arc rating (ELIM, ATPV and/or EBT) of clothing materials and protective clothing using an open arc.

The rating EBT50 is the incident energy at which there is a 50% probability of breakopen (damage) of the material. This rating is used in characterisation when, as a result of hole formation, an ATPV rating cannot be determined.

In the declarations of conformity, which can be downloaded at https://www.bp-online.com/de/ konformitaetserklaerung. BP® bindingly confirms that the products meet the requirements of the Regulation EU 2016/425 and the standards which are listed under the certificate number shown. They also list the certification body and the EU supervision body.

... is a material comprising several layers. In the textile industry, the laminate consists of several layers of textile, which are often bonded to a membrane. Various types of laminate are available and are suitable for different applications. In the BProtected® collection, two and three-layer laminates are used and have a membrane that is bonded to one or two textile layers.

... is the term used for a thin "film" with special properties that ensures that functional textiles in particular are waterproof, windproof and breathable. The waterproof property of the membrane ensures protection against wind and rain; the permeability to water vapour enables the removal of sweat particles, which ensures optimum wear comfort.

... is a modified, permanently flame-retardant acrylic fibre. When modacrylic is exposed to a flame, non-flammable gases are released that displace the surrounding oxygen and so extinguish the flame without leaving any glowing ash residue. The resulting char offers good insulating properties. The flames cannot spread beyond the charred area. Materials cannot melt and so do not stick to human skin.

... (Resistance to Evaporative Heat Transfer) is used as a measure of breathability. It indicates the resistance of a material to water vapour transmission. The lower this value, the more "breathable" the material (see also En 343).

... is the material from which functional textiles are produced for sports, leisure and work (e. g. jackets or outdoor clothing). **Soft-shell fabrics** often comprise two or three layers of material that are bonded firmly together (two or three-layer laminate); the middle layer often consists of a windproof, waterproof and breathable membrane. A **soft-shell jacket** is an ideal compromise between a fleece jacket and a raincoat. In the event of light rain and snowfall, it protects against moisture, cold and wind and, at the same time, is comfortable to wear thanks to the soft inside fleece and a sophisticated combination of two to three layers of fabric. Soft-shell jackets are not suitable for wear in incessant rain.

ELIM (Incident Energy Limit)

**EBT** (Energy Breakopen Threshold)

Declaration of conformity

Laminate

Membrane

Modacrylic

R<sub>et</sub> value

Soft-shell fabric

87

## The BProtected® glossary.

#### Reflective strips







#### UV protection

Within the BProtected® collection, BP® uses different reflective strips that differ, in particular, in terms of the three technologies outlined below. All three technologies are suitable for industrial laundering as per ISO 15797.

#### Glass-bead technology:

Thousands of tiny glass beads are applied to a backing fabric and reflect incident light back to the source. Thanks to glass-bead technology, the strips are relatively lightweight and thin. However, they offer outstanding reflection values. Segmented reflective strips are particularly suitable for stretch textiles, e.g. T-shirts, and are also based on glass-bead technology.

#### Microprism technology:

Thousands of tiny microprisms are applied to PVC and reflect incident light back to the source. These microprisms are particularly resistant to dirt and wear as they are protected by an additional layer of plastic. The reflective values when wet and under poor weather conditions are particularly good.

#### Segmented reflective strips:

Segmented reflective strips, which are manufactured based on glass-bead technology, are glued directly onto the fabric. This makes them very lightweight and particularly suitable for use on elastic materials.

#### **UV Standard 801**

Textiles that comply with UV Standard 801 offer safe sun protection, even when wet, stretched or when displaying signs of mechanical wear, based on maximum UV radiation and the most sensitive skin type. The solar spectrum in Australia is simulated. For example, Protect 30 roughly corresponds to sun protection factor 30, and Protect 80 to sun protection factor 80.

#### EN 13758-1

In this procedure, the solar spectrum for New Mexico, USA is simulated. The testing is carried out only on new, dry and unstretched items. Thus, a higher UPF (Ultraviolet Protection Factor) can be reached than with the UV Standard 801.

#### Viscose FR\*

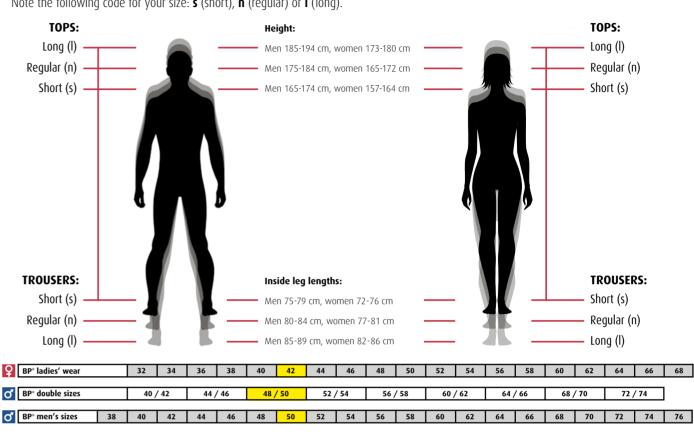
... is a cellulose fibre made from a natural raw material, e.g. wood. It offers protection against heat in a wide variety of different work areas and features maximum fibre strength. It has very good heat-insulation properties, is permanently flame-retardant, environmentally friendly and offers outstanding wear comfort (\*FR = flame-retardant).

#### Water column

The waterproof property of functional textiles is often quoted in "mm water column". This represents a measurement of the water pressure that a water column of a certain height exerts on materials without the water being able to pass through them. Standard EN 343 requires a waterproof property of at least 1300 mm in class 3 and of at least 2000 mm in the highest class (class 4).

## The right size for everyone.

Lots of BP® products are available in three lengths. Note the following code for your size: **s** (short), **n** (regular) or **l** (long).



~											
₫	Unisex sizes	2 XS	XS	S	M	L	XL	2 XL	3 XL	4 XL	5 XL
Unisex size in 3 lengths	Height 160-169	2 XSs	XSs	Ss	Ms	Ls	XLs	2 XLs	3 XLs	4 XLs	5 XLs
	Height 170-179	2 XSn	XSn	Sn	Mn	Ln	XLn	2 XLn	3 XLn	4 XLn	5 XLn
	Height 180-189	2 XSI	XSI	SI	MI	L	XLI	2 XLI	3 XLI	4 XLI	5 XLI

J																					
)	Height	165-174	165-174	165-174	165-174	165-174	165-174	165-174	165-174	165-174	165-174	165-174	165-174	165-174	165-174	165-174	165-174	165-174	165-174	165-174	165-174
International	Chest size	74-77	78-81	82-85	86-89	90-93	94-97	98-101	102-105	106-109	110-113	114-117	118-121	122-125	126-129	130-133	134-137	138-141	142-145	146-149	150-153
Sizes	Waist size	62-65	66-69	70-73	74-77	78-81	82-85	86-89	90-94	95-99	100-104	105-109	110-114	115-119	120-124	125-129	130-134	135-139	140-144	145-149	150-154
<b>SHORT</b> , height	Seat size	80-83	84-87	88-91	92-95	96-99	100-103	104-107	108-111	112-115	116-118	119-121	122-124	125-127	128-130	131-133	134-136	137-139	140-142	143-145	146-148
165-174	Inside leg length	75-79	75-79	75-79	75-79	75-79	75-79	75-79	75-79	75-79	75-79	75-79	75-79	75-79	75-79	75-79	75-79	75-79	75-79	75-79	75-79
	BP° size	38 s	40 s	42 s	44 s	46 s	48 s	50 s	52 s	54 s	56 s	58 s	60 s	62 s	64 s	66 s	68 s	70 s	72 s	74 s	76 s

Ş		Height	175-184	175-184	11/5-184	175-184	175-184	1/5-184	175-184	1/5-184	1/5-184	1/5-184	1/5-184	175-184	1/5-184	1/5-184	1/5-184	1/5-184	1/5-184	175-184	1/5-184	1/5-18
١	International	Chest size	74-77	78-81	82-85	86-89	90-93	94-97	98-101	102-105	106-109	110-113	114-117	118-121	122-125	126-129	130-133	134-137	138-141	142-145	146-149	150-15
١	SIZES REGULAR,	Waist size	62-65	66-69	70-73	74-77	78-81	82-85	86-89	90-94	95-99	100-104	105-109	110-114	115-119	120-124	125-129	130-134	135-139	140-144	145-149	150-15
١	height	Seat size	80-83	84-87	88-91	92-95	96-99	100-103	104-107	108-111	112-115	116-118	119-121	122-124	125-127	128-130	131-133	134-136	137-139	140-142	143-145	146-14
١	175-184	Inside leg length	80-84	80-84	80-84	80-84	80-84	80-84	80-84	80-84	80-84	80-84	80-84	80-84	80-84	80-84	80-84	80-84	80-84	80-84	80-84	80-84
L		BP° size	38 n	40 n	42 n	44 n	46 n	48 n	50 n	52 n	54 n	56 n	58 n	60 n	62 n	64 n	66 n	68 n	70 n	72 n	74 n	76 n
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International	Chest size	74-77	78-81	82-85	86-89	90-93	94-97	98-101	102-105	106-109	110-113	114-117	118-121	122-125	126-129	130-133	134-137	138-141	142-145	146-149	150-153
sizes LONG,	Waist size	62-65	66-69	70-73	74-77	78-81	82-85	86-89	90-94	95-99	100-104	105-109	110-114	115-119	120-124	125-129	130-134	135-139	140-144	145-149	150-154
height	Seat size	80-83	84-87	88-91	92-95	96-99	100-103	104-107	108-111	112-115	116-118	119-121	122-124	125-127	128-130	131-133	134-136	137-139	140-142	143-145	146-148
185-194	Inside leg length	85-89	85-89	85-89	85-89	85-89	85-89	85-89	85-89	85-89	85-89	85-89	85-89	85-89	85-89	85-89	85-89	85-89	85-89	85-89	85-89
	BP° size	38 l	40 l	42 l	44 l	46 l	48 l	50 l	52 l	54 İ	56 l	58 l	60 l	62 l	64 l	66 l	68 l	70 l	72 l	74 l	76 l

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ı	International	Chest size	74-77	78-81	82-85	86-89	90-93	94-97	98-101	102-106	107-112	113-118	119-124	125-130	131-136	137-142	143-148	149-154	155-160	161-166	167-172
ı	sizes REGULAR.	Waist size	60-63	64-66	67-69	70-73	74-77	78-81	82-85	86-90	91-97	98-103	104-110	111-116	117-123	124-129	130-136	137-142	143-149	150-155	156-162
ı	height	Hip size	84-87	88-91	92-95	96-98	99-101	102-104	105-107	108-111	112-116	117-121	122-126	127-131	132-136	137-141	142-146	147-151	152-156	157-161	162-166
ı	165-172	Inside leg length	77-81	77-81	77-81	77-81	77-81	77-81	77-81	77-81	77-81	77-81	77-81	77-81	77-81	77-81	77-81	77-81	77-81	77-81	77-81
ı		BP° size	32 n	34 n	36 n	38 n	40 n	42 n	44 n	46 n	48 n	50 n	52 n	54 n	56 n	58 n	60 n	62 n	64 n	66 n	68 n

German sizes



## Product finder You'll also find all information about BP® items in our online shop at www.bp-online.com





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	BP® HI-	VIS CON	۸FO						
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2010-845-8510	BP® Work trousers						83	•••	23
2010-845-8553	BP® Work trousers						83	•••	23
2010-845-8574	BP® Work trousers BP® Work trousers						83 83	•••	23
2010-845-8653	BP® Bib & brace						83	•••	24
2011-845-8553	BP® Bib & brace						83	•••	24
2011-845-8574	BP® Bib & brace						83	•••	24
2011-845-8653	BP® Bib & brace	1667	৵	$\odot$	<u></u>	Ø	83	•••	24
2012-845-8510	BP® Work jacket		∞			$\sim$	83	•••	20
2012-845-8553	BP® Work jacket						83	•••	20
2012-845-8574	BP® Work jacket						83	•••	20
2012-845-8653	BP® Work jacket						83	•••	20
2013-845-8553	BP® Waistcoat						83	•••	20
2013-845-8653	BP® Waistcoat						83	•••	20
2014-845-8553	BP <sup>®</sup> Shorts						83	•••	25
2014-845-8653	BP® Shorts						83	•••	25
2015-845-85	BP® Men's functional	\607	⟨	$\odot$	$\overline{A}$	Ø	8160	••0	31
2014 045 0552	work jacket								24
2016-845-8553 2017-845-85	BP® Coverall BP® Men's functional		•		<u></u>		83	•••	21
2017-043-03	work jacket	60	$\bowtie$	0	$\overline{a}$	Ø	8160	••0	31
2018-845-85	BP® Women's work tro	users ¬ 📷	$\bowtie$	0	<u></u>	Ø	83	•••	22
2018-845-86	BP® Women's work tro						83	•••	22
2019-880-85	BP® Weatherproof trou	sers ¬ 🗺	&	0	$\overline{a}$	$\boxtimes$	8160	••0	37
2019-880-86	BP® Weatherproof trou						8160	••0	37
2025-628-85	BP® Fleece jacket	60	$\bowtie$	0	$\overline{a}$	Ø	8160	••0	33
2025-628-86	BP® Fleece jacket ☐	h					8160	••0	33
2030-880-85	BP® Weatherproof jack		$\bowtie$	0	$\overline{a}$	Ø		••0	36
2030-880-86	BP® Weatherproof jack	et <sup></sup>						••0	36
2110-845-8553	BP® Work trousers	<b>~~</b>			$\neg$	$\propto$	83	•••	23
2110-845-8653	BP® Work trousers	60	×	$\Box$	<u></u>	X	83	•••	23
2111-845-8553 2111-845-8653	BP® Bib & brace BP® Bib & brace						83 83	•••	24
2113-845-85	BP® Thermal waistcoat	_ /***	৵	$\Box$	$\overline{a}$	X	8160		32
2113-845-86	BP® Thermal waistcoat		X	$\square$		~		••0	32
2120-880-85	BP® Weatherproof jack		₩	$\odot$	æ	Ø		••0	34
2120-880-86	BP® Weatherproof jack		~					••0	34
2121-940-85	BP® Men's soft-shell jac	ket 7					8160	••0	29
2121-940-86	BP® Men's soft-shell jac	ket 60	$\bigotimes$	$\odot$		<u>®</u>	8160	••0	29
2122-940-85	BP® Women's soft-shell	jacket –					8160	••0	29
2127-880-85	BP® Women's weather jacket	proof 60	$\bigotimes$	0	$\overline{a}$	Ø	8160	••0	35
2131-260-85	BP® Unisex T-shirt	٦					82	•••	26
2131-260-86	BP® Unisex T-shirt						82	•••	26
2132-260-85	BP® Unisex polo shirt	60	$\bowtie$	Ø	$\overline{a}$	$\boxtimes$	82	•••	26
2132-260-86	BP® Unisex polo shirt						82	•••	26
2133-261-85	BP® Long-sleeve polo s						82	•••	26
2133-261-86	BP® Long-sleeve polo s			_	_	~	82	•••	26
2134-873-0065	BP® Unisex sweatshirt		$\bowtie$	Ø	$\overline{a}$	Ø	82	•••	27
2134-873-0066	BP® Unisex sweatshirt		. ^	<b>S</b>	$\neg$	X	82	•••	27
2136-261-0065	BP® Unisex T-shirt	(60)	×	図	$\overline{a}$	Ø	82	•••	26
2136-261-0066	BP® Unisex T-shirt ☐						82	•••	26

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	BP° MULTI PI	ROTECT PLUS	
2206-590-6614	BP® Work trousers ¬		<b>8360 ●●</b> ○ 46
2207-590-6614	BP® Bib & brace	$\boxtimes \& \boxdot \boxtimes \boxtimes \boxtimes$	8360 ●●○ 47
2208-590-6614	BP® Work jacket		<b>8360 ●●</b> ○ 46
2223-891-6614	BP® Weatherproof jacket	$\boxtimes \triangle \square \supseteq \boxtimes$	<b>8160 ●●</b> ○ 49
2236-590-6614	BP <sup>®</sup> Work trousers ¬		<b>8360 ••</b> 0 55
2237-590-6614	BP® Bib & brace	$\boxtimes \boxtimes \boxtimes \boxtimes \boxtimes$	<b>8360 ●●</b> ○ 54
2238-590-6614	BP® Work jacket ☐	,	<b>8360 ●●</b> ○ 55
2406-581-1432	BP <sup>®</sup> Work trousers ¬		<b>83 ●●●</b> 44
2407-581-1432	BP® Bib & brace	$\square \wedge \square = \square$	<b>83</b> ••• 44
2408-581-1432	BP® Work jacket		<b>83</b> ●●● 43
2409-581-1432	BP® Coverall		<b>83</b> ●●● 43
2424-860-0014	BP® Fleece jacket	@	<b>8160 ●●</b> ○ 50
2436-581-1432	BP <sup>®</sup> Work trousers ¬		<b>83</b> ••• 52
2437-581-1432	BP® Bib & brace	@	<b>83 ●●●</b> 53
2438-581-1432	BP® Work jacket ☐		<b>83</b> ●●● 52

	BP®N	NULTI	PROTI	ECT					
2400-820-1332	BP® Work trousers –	1					82	•••	61
2400-820-5332	BP® Work trousers						82	•••	61
2401-820-1332	BP® Bib & brace						82	•••	60
2401-820-5332	BP® Bib & brace		<b>₩</b>	$\odot$	<u></u>	Ø	82	•••	60
2402-820-1332	BP <sup>®</sup> Work jacket						82	•••	61
2402-820-5332	BP® Work jacket						82	•••	61
2403-825-53	BP® Shirt —						82	•••	62
2410-196-10	BP® Tube scarf		<b>₩</b>	<u> </u>	ヌ	Ø	-	-	80
2421-871-54	BP® Long-sleeve T-sl	hirt	<b>₩</b>		$\equiv$	®	-	•00	63
2425-860-53	BP® Fleece jacket		<b>₩</b>	0	<i>─</i>	®	8160	••0	63
2430-820-1332	BP® Work trousers						82	•••	67
2430-820-5332	BP® Work trousers						82	•••	67
2431-820-1332	BP® Bib & brace						82	•••	66
2431-820-5332	BP® Bib & brace			_			82	•••	66
2432-820-1332	BP® Work jacket		₩ <b>☆</b>	0	$\overline{a}$	X	82	•••	67
2432-820-5332	BP® Work jacket						82	•••	67
2433-820-5381	BP® Work trousers						82	•••	64
2434-820-5381	BP® Bib & brace						82	•••	65
2435-820-5381	BP <sup>®</sup> Work jacket ☐						82	•••	64

	BP® HI-V	IS PROTECT	
2212-840-8553	BP® Work Jacket		<b>82 ●●●</b> 73
2212-840-8653	BP® Work jacket		<b>82</b> ●●● 73
2213-840-8553	BP® Work trousers	₩ & 0 A 0	<b>82 ●●●</b> 73
2213-840-8653	BP® Work trousers		<b>82</b> ●●● 73
2214-840-8553	BP® Bib & brace		<b>82 ●●●</b> 72
2214-840-8653	BP® Bib & brace ☐		<b>82 ●●●</b> 72
2225-860-86	BP® Fleece jacket	₩ & 0 <i>&gt;</i> 0	<b>8160 ●●</b> ○ 71
2230-881-85	BP® Weatherproof jacket	7	8160 ●●○ 74
2230-881-86	BP® Weatherproof jacket	₩ & 0 <i>&gt;</i> 0	<b>8160 ●●</b> ○ 74
2232-881-85	BP® Weatherproof trouser		<b>8160 ●●</b> ○ 75
2232-881-86	BP® Weatherproof trouser	S	<b>8160 ●●</b> ○ 75

BP®WELDER'S COMFORT				
2610-835-5632	BP <sup>®</sup> Work trousers –	I	83	●●● 78
2611-835-5632	BP® Bib & brace	₩ & 0 A @	83	●●● 79
2612-835-5632	BP® Work jacket	•	83	●●● 78

### **BP**® quality. Even after many washes.



#### PRO label (example)



no. 8 as specified in ISO 15797 · then dried in the tumble dryer or tunnel finisher and tested

Drying in the

Drying symbols

#### Washing symbols



5, 6 White work clothing and/or coloured trim, hydrogen peroxide , 8 Coloured work clothing

8160







#### > Appropriateness for industrial laundering

The majority of BP® products carry the **PRO label**. The PRO label indicates that the product meets the requirements of ISO 30023. Tests have been conducted for suitability for industrial laundering in accordance with ISO 15797, namely using washing programmes (1-8), in the tunnel finisher and/or tumble dryer. However, the PRO label does not provide any specific care instructions. Real-life test washes in an industrial laundry should be carried out before using any BP® product.

Some of our products do **not** carry the PRO label. Nevertheless, they may be washed in an industrial laundry in certain circumstances. Extensive test washes should be carried out on these products especially, to ensure the correct care procedures are used. We classify our products' appropriateness for industrial laundering as follows:



Low appropriateness for industrial laundering: ≤ 40 °C, air drying



Medium appropriateness for industrial laundering: ≤ 60 °C, lower drying temperature



High appropriateness for industrial laundering: ≤ 75 °C, tumble/tunnel finisher drying

Successful cleaning and the wear and tear on clothing are determined by the following four basic parameters: chemistry, mechanics, temperature, time (Sinner's Circle). To keep things simple, the classification above only considers the washing and drying temperature. The other factors should naturally also be taken into account when carrying out real-life test washes.

## Looking good in any situation.

You can also use our other collections to find the perfect complement to your PPE!



More about BP®: www.bp-online.com

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