

HIGH VISIBILITY

GB

UNMISSABLE

HIGH VISIBILITY

 **PLANAM**
Fashion for your profession

Certified clothing combination
Each individual item in our high-visibility protection range has a certified high-visibility classification in accordance with EN ISO 20471. A higher class can be achieved by combining jacket and trousers, if necessary.

BEING SEEN IS THE NAME OF THE GAME

Darkness, poor visibility, danger – the risk of being overlooked at work increases. Indispensable: high-visibility protective workwear.



Whether for use in daylight or in the dark – the high-visibility specifications according to EN ISO 20471 demand workwear that ensures maximum visibility. We have developed our high-visibility range to meet all requirements: Fluorescent material in bright yellow and orange adds luminosity to our collection. Reflective strips trace the shape of a person's body as soon as light falls on them.



High-visibility protective clothing in accordance with EN ISO 20471:2013
The human form is visually emphasised through the use of fluorescent material and horizontal reflective stripes.



Radiant fabric
The polyester content ensures the clothing's increased visibility.



All sizes
From size 42 to 64 and size 90 to 110, as well as size 24 to 29. The 2-colour waist-ted jackets, waist trousers and dungarees in two colour combinations are even available in sizes 66, 68, 70 and 30

Two-colour design
Available in bright yellow and orange. The colour designs are also offered with a contrasting navy or green shade.

A PRODUCT RANGE WITH SUBSTANCE

If you work outdoors, you need to be able to rely on one feature of your clothing to protect you from being overlooked: maximum visibility. Our high-visibility protection range meets this key requirement – and not just that.

Every day anew, your workwear is subjected to real stresses and strains "on the construction site". Extreme loads require robust solutions. That's why we have equipped our range to meet the challenges of everyday working life, for example, with "power seams" and a high polyester content. The result: extremely hard-wearing and dirt-repellent workwear.



MADE OF TOUGHER STUFF

The wind whips around your ears, your clothes are soaking wet and it is also cold: If it gets really uncomfortable while working outdoors, only the most robust clothing can help. Our answer to lousy weather and poor visibility: the PLANAM high-visibility clothing range.

Our certified high-visibility range not only meets requirements in terms of maximum visibility. The collection has also been specially developed for use in bad weather and is, therefore, wind- and waterproof. All in all, a range with a perfect signalling effect and all-round protection.



HIGH VISIBILITY

WORKING SAFELY THROUGHOUT SUMMER



**UV protection certificate
PROTECT 40**
Thanks to the associated
UV protection, you can
work up to 40 times longer
in the sun.

When summer comes around, the days get longer and the clothes shorter. Beautiful sunshine is one thing, but harmful UV radiation is another. In order to protect you from this, we have developed the right clothing.

From shirts to shorts – even for hot summer days, our certified PLANAM high-visibility clothing range has the right clothing for you: lightweight fabrics for wearing comfort, UV protection for the skin, and eye-catching signalling colours for maximum visibility. This is without doubt a pleasant way to work in bright sunshine.



Lightness
The cotton content ensures
a comfortable wearing feel.

Contrasting colours
Eye-catching, high-visibility colours give shirts greater visibility.

HIGH VISIBILITY

	WORKWEAR SINGLE COLOUR	WORKWEAR 2-COLOUR
MATERIAL	85 % polyester, 15 % cotton, Diagonal twill (approx. 290 g/m ²), shrink-resistance in accordance with DIN EN ISO 6330	orange and yellow 85 % polyester, 15 % cotton, (Diagonal twill approx. 290 g/m ²), shrink-resistance in accordance with DIN EN ISO 6330 navy and green 65 % polyester, 35 % cotton (Diagonal twill approx. 320 g/m ²), shrink-resistance in accordance with DIN EN ISO 6330
DESIGN	Reflective stripe, Reflective material silver	Reflective stripe, Reflective material silver
COLOURS	plain orange, plain yellow, Overalls single colour only in plain orange	orange/navy, yellow/navy, orange/green, Overalls 2-colour only in orange/navy
CLOTHING SIZES	Normal sizes 42 – 44 – 46 – 48 – 50 – 52 – 54 – 56 – 58 – 60 – 62 – 64 Slim sizes 90 – 94 – 98 – 102 – 106 – 110 Short sizes 24 – 25 – 26 – 27 – 28 – 29 International sizes S – M – L – XL – XXL – XXXL – 4XL	Normal sizes 42 – 44 – 46 – 48 – 50 – 52 – 54 – 56 – 58 – 60 – 62 – 64 Slim sizes 90 – 94 – 98 – 102 – 106 – 110 Short sizes 24 – 25 – 26 – 27 – 28 – 29 Waisted Jacket, Trousers, Dungarees orange/navy and yellow/ navy also available in 66 – 68 – 70 – 30

CARE INSTRUCTIONS max. 50 washes

KNEE PROTECTION 2-colour trousers, dungarees and overalls certified as knee protection in conjunction with a PLANAM knee pad (article number 9901027)

	WEATHERPROOF CLOTHING SINGLE COLOUR	WEATHERPROOF CLOTHING 2-COLOUR
MATERIAL	Outer shell 100 % polyester PU-coated Padding 100 % polyester Lining 100 % polyester	Outer shell 100 % polyester PU-coated Padding 100 % polyester Lining 100 % polyester Comfortable jacket with additional fleece 100 % polyester
DESIGN	Reflective stripe, Reflective material silver	Reflective stripe, Reflective material silver
COLOURS	plain orange, plain yellow	orange/navy, yellow/navy, orange/green
CLOTHING SIZES	International sizes S – M – L – XL – XXL – XXXL – 4XL	International sizes S – M – L – XL – XXL – XXXL – 4XL Comfort Jacket and Parka orange/navy and yellow/navy also available in 5XL – 6XL – 7XL – 8XL

CARE INSTRUCTIONS max. 25 washes

SHIRTS
90 % polyester, 10 % cotton outer 100 % polyester inner 50 % polyester, 50 % cotton
Reflective stripe, Reflective material silver
plain plain orange, plain yellow 2-colour orange/grey
International sizes S – M – L – XL – XXL – XXXL – 4XL

CARE INSTRUCTIONS max. 50 washes

RAIN PROTECTION
Outer shell 100 % polyester PU-coated Lining 100 % polyester
Reflective stripe, Reflective material silver
plain plain orange, plain yellow 2-colour orange/navy, yellow/navy
International sizes S – M – L – XL – XXL – XXXL – 4XL

CARE INSTRUCTIONS max. 25 washes

APPLICATIONS

Different professions place different demands on workwear. We have provided a simple overview summarising the applications for which the High visibility range is suitable.



You can find more information about our range and its applications via the QR code or at www.planam.de/applications

- Building industry
- Manufacturing / Warehouse / Logistics
- Municipal services / Road construction
- Garden / Landscaping
- Car / Automotive engineering
- Leisure

HIGH VISIBILITY

Waisted Jacket single colour



 View this item in all available colours under "Products" at planam.de

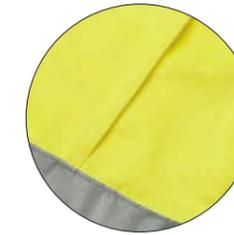
APPLICATIONS



You have everything to hand in the **right chest pocket**



The practical **cuffs** allow your hands to move freely



The **golf pleats in the back** provide greater freedom of movement

EXTRAS

- + 2 side pockets
- + 1 chest pocket with flap and buttons on the left
- + 1 mobile phone pocket on the right
- + 1 pen pocket on the right
- + 1 inner pocket on the right
- + covered button placket
- + cuffs

CLOTHING SIZES

Normal sizes

42 – 44 – 46 – 48 – 50 – 52 – 54 – 56 – 58 – 60 – 62 – 64

Slim sizes

90 – 94 – 98 – 102 – 106 – 110

Short sizes

24 – 25 – 26 – 27 – 28 – 29

CERTIFICATES AND STANDARDS



COLOURS



2001
orange

2002
yellow

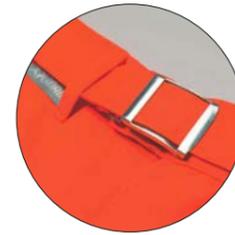
HIGH VISIBILITY

Trousers single colour

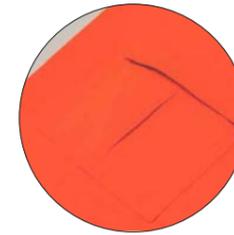


 View this item in all available colours under "Products" at planam.de

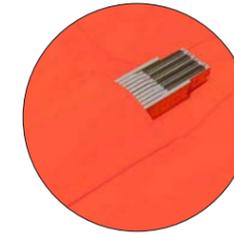
APPLICATIONS



Whether you're standing, sitting, kneeling, the **belt** ensures these trousers will not slip down



Large and cumbersome items can be stowed away perfectly in the **thigh pocket**



Tools and plenty more besides are always on hand thanks to the **ruler pocket**

EXTRAS

- + round waistband with 7 belt loops
- + belt with metal buckle
- + 2 reinforced patch front pockets
- + 1 rear pocket with flap and button
- + 1 ruler pocket on the right
- + 1 thigh pocket with flap and Velcro closure
- + 1 mobile phone pocket

CLOTHING SIZES

Normal sizes

42 – 44 – 46 – 48 – 50 – 52 – 54 – 56 – 58 – 60 – 62 – 64

Slim sizes

90 – 94 – 98 – 102 – 106 – 110

Short sizes

24 – 25 – 26 – 27 – 28 – 29

CERTIFICATES AND STANDARDS



COLOURS



2011
orange

2012
yellow

HIGH VISIBILITY

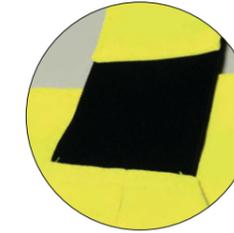
Dungarees single colour



The **option for adjusting the waistband** ensures the perfect fit



The **bib with zip closure and bib pocket** provide plenty of storage space



The **elastic inserts on the braces** ensure the dungarees are comfortable to wear



EXTRAS

- + bib pocket with brass zip
- + additional patch bib pocket
- + 2 reinforced patch front pockets
- + 1 rear pocket
- + 1 ruler pocket on the right
- + 1 thigh pocket with flap and Velcro closure
- + 1 mobile phone pocket
- + adjustable waist size
- + zip fly
- + high back with solidly constructed elasticated middle section
- + clip buckles

CLOTHING SIZES

Normal sizes

42 – 44 – 46 – 48 – 50 – 52 – 54 – 56 – 58 – 60 – 62 – 64

Slim sizes

90 – 94 – 98 – 102 – 106 – 110

Short sizes

24 – 25 – 26 – 27 – 28 – 29

CERTIFICATES AND STANDARDS



View this item in all available colours under "Products" at planam.de

APPLICATIONS



COLOURS



2021
orange

2022
yellow

HIGH VISIBILITY

Shorts single colour



 View this item in all available colours under "Products" at planam.de

APPLICATIONS



The **elastic in the waistband** ensures the perfect fit, no matter what you are doing

EXTRAS

- + 2 pouch pockets
- + ruler pocket on the right
- + thigh pocket with flap on the left
- + 1 rear pocket with flap
- + elastic in the waistband
- + round waistband with 7 belt loops
- + zip fly

CLOTHING SIZES

International Sizes

S – M – L – XL – XXL – XXXL – 4XL

CERTIFICATES AND STANDARDS



COLOURS



2015
orange

2014
yellow

HIGH VISIBILITY

Overalls single colour

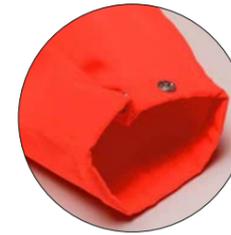


 View this item from all angles under "Products" at planam.de

APPLICATIONS



Quick access and secure closure thanks to the **chest pocket with zip**



Press studs on the cuffs – so the sleeves stay where they belong



The **elastic in the waistband** ensures the overalls fit perfectly

EXTRAS

- + 2-way zip approx. 70 cm
- + 2 chest pockets with zips
- + 2 side patch pockets
- + 1 ruler pocket on the right
- + 2 rear pockets
- + 1 thigh pocket with flap and Velcro closure
- + 1 mobile phone pocket
- + 2 side pass-throughs
- + adjustable cuffs
- + adjustable elastic at the back
- + adjustable leg hem

CLOTHING SIZES

Normal sizes

42 – 44 – 46 – 48 – 50 – 52 – 54 – 56 – 58 – 60 – 62 – 64

Slim sizes

90 – 94 – 98 – 102 – 106 – 110

Short sizes

24 – 25 – 26 – 27 – 28 – 29

CERTIFICATES AND STANDARDS



COLOURS



2031
orange

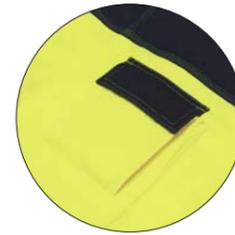
HIGH VISIBILITY

Waisted Jacket 2-colour

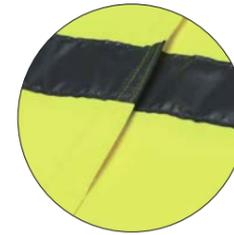


 View this item in all available colours under "Products" at planam.de

APPLICATIONS



Everything stays securely stowed away in the **chest pocket** with flap and Velcro closure



The **golf pleats** in the back provide greater freedom of movement when working



The **ventilation under the armpits** prevents you from sweating

EXTRAS

- + covered zip closure with press studs to fasten the flap
- + cuffs adjustable using press studs
- + four ventilation eyelets under the arms
- + 2 golf pleats at the back
- + turn-down collar
- + hanging loop in the collar
- + cuffed hem
- + 2 side patch pockets
- + right chest pocket with flap and Velcro closure
- + left chest pocket has integrated mobile phone pocket and pen holder
- + double sleeve pocket on the left arm
- + 1 inner pocket

CLOTHING SIZES

Normal sizes

42 – 44 – 46 – 48 – 50 – 52 – 54 – 56 – 58 – 60 – 62 – 64

Slim sizes

90 – 94 – 98 – 102 – 106 – 110

Short sizes

24 – 25 – 26 – 27 – 28 – 29

orange/navy and yellow/navy also available in 66 – 68 – 70 – 30

CERTIFICATES AND STANDARDS



COLOURS



2006
orange/navy

2007
yellow/navy

2008
orange/green

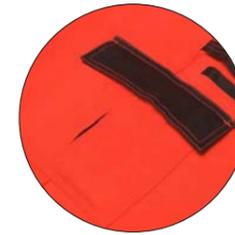
HIGH VISIBILITY

Trousers 2-colour

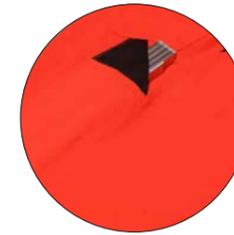


 View this item in all available colours under "Products" at planam.de

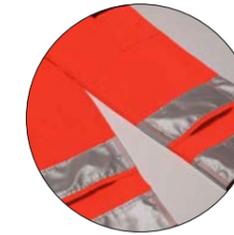
APPLICATIONS



The **thigh pocket** provides practical storage space



You can securely store everything in the **double ruler pocket**



The PLANAM knee pads are quick and easy to insert into the **knee pockets**

EXTRAS

- + reinforced knees
- + knee pads can be integrated
- + hammer loop
- + mobile phone pocket and thigh pocket on the left thigh
- + double ruler pocket on the right thigh
- + zip fly
- + round waistband with belt loops
- + pouch pockets
- + 2 reinforced back pockets with flaps and Velcro closure

CLOTHING SIZES

Normal sizes

42 – 44 – 46 – 48 – 50 – 52 – 54 – 56 – 58 – 60 – 62 – 64

Slim sizes

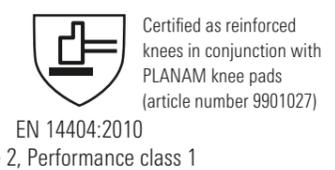
90 – 94 – 98 – 102 – 106 – 110

Short sizes

24 – 25 – 26 – 27 – 28 – 29

orange/navy and yellow/navy also available in 66 – 68 – 70 – 30

CERTIFICATES AND STANDARDS



COLOURS



2016
orange/navy

2017
yellow/navy

2018
orange/green

HIGH VISIBILITY

Dungarees 2-colour



No need to spend ages looking for your tools, thanks to the **hammer loop**



Convenient for making quick notes: the **bib pocket with pen compartments**



Items are securely stowed and easy to reach in the **side pockets**

EXTRAS

- + reinforced knees
- + knee pads can be integrated
- + hammer loop
- + mobile phone pocket and thigh pocket on the left
- + double ruler pocket on the right thigh
- + zip fly
- + adjustable waistband with jeans buttons
- + 2 side pockets
- + patch bib pocket with flap and Velcro closure
- + integrated pen pocket to the left and right of the bib pocket
- + inner bib pocket, pouch pocket
- + 2 reinforced back pockets with flaps and Velcro closure
- + high back
- + elasticated braces and easy to close plastic buckles

CLOTHING SIZES

Normal sizes

42 – 44 – 46 – 48 – 50 – 52 – 54 – 56 – 58 – 60 – 62 – 64

Slim sizes

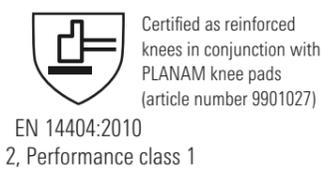
90 – 94 – 98 – 102 – 106 – 110

Short sizes

24 – 25 – 26 – 27 – 28 – 29

orange/navy and yellow/navy also available in 66 – 68 – 70 – 30

CERTIFICATES AND STANDARDS



View this item in all available colours under "Products" at planam.de

APPLICATIONS



COLOURS



HIGH VISIBILITY

Overalls 2-colour



 View this item from all angles under "Products" at planam.de

APPLICATIONS



On your arm and easy to access: quickly store your things in the **sleeve pocket**



The **elastic in the waistband** ensures the perfect fit



These overalls are long-lasting and robust, thanks to the **triple-stitched seams**

EXTRAS

- + covered zip closure with Velcro closure to fasten the flap
- + cuffs adjusted using press studs
- + four ventilation eyelets under the arms
- + 2 golf pleats at the back
- + turn-down collar and hanging loop in the collar
- + reinforced knees
- + knee pads can be integrated
- + double ruler pocket on the right thigh
- + mobile phone and thigh pocket on the left
- + 2 side pockets
- + pouch pockets with flaps
- + velcro closure and integrated mobile phone pocket
- + right chest pouch pocket with flap
- + velcro closure and pen pocket
- + double sleeve pocket on the left arm and one inner pocket

CLOTHING SIZES

Normal sizes

42 – 44 – 46 – 48 – 50 – 52 – 54 – 56 – 58 – 60 – 62 – 64

Slim sizes

90 – 94 – 98 – 102 – 106 – 110

Short sizes

24 – 25 – 26 – 27 – 28 – 29

CERTIFICATES AND STANDARDS



EN 14404:2010
Type 2, Performance class 1

COLOURS



2036
orange/navy

HIGH VISIBILITY

Polo Shirt single colour

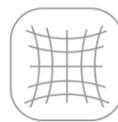


 View this item in all available colours under "Products" at planam.de

APPLICATIONS



PRODUCT FEATURES



stretch

EXTRAS

- + button placket with 3 buttons
- + 1 reflective stripe over each shoulder
- + 2 reflective stripes around the waist

CLOTHING SIZES

International Sizes

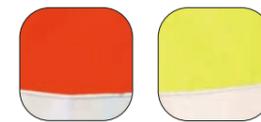
S – M – L – XL – XXL – XXXL – 4XL

CERTIFICATES AND STANDARDS



EN ISO 20471:2013
+A1:2016

COLOURS



2091
orange

2092
yellow

HIGH VISIBILITY

Polo Shirt 2-colour

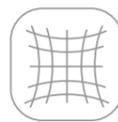


 View this item from all angles under "Products" at [planam.de](https://www.planam.de)

APPLICATIONS



PRODUCT FEATURES



stretch

EXTRAS

- + collar with grey contrast
- + button placket with 3 buttons
- + 1 reflective stripe over each shoulder
- + 2 reflective stripes around the waist

CLOTHING SIZES

International Sizes

S – M – L – XL – XXL – XXXL – 4XL

CERTIFICATES AND STANDARDS



EN ISO 20471:2013
+A1:2016

COLOURS



2098
orange/grey

HIGH VISIBILITY

T-Shirt single colour

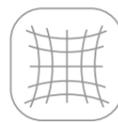


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APPLICATIONS



PRODUCT FEATURES



stretch

EXTRAS

- + round neck
- + 1 reflective stripe over each shoulder
- + 2 reflective stripes around the waist

CLOTHING SIZES

International Sizes

S – M – L – XL – XXL – XXXL – 4XL

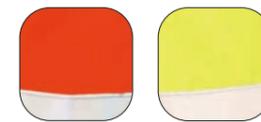
CERTIFICATES AND STANDARDS



UV STANDARD 801
UV 40+
TESTEX ZEICH

EN ISO 20471:2013
+A1:2016

COLOURS



2095
orange

2096
yellow

HIGH VISIBILITY/WEATHERPROOF CLOTHING

Pilot Jacket single colour



 View this item in all available colours under "Products" at planam.de

APPLICATIONS



PRODUCT FEATURES



The **detachable sleeves** are particularly useful in changeable weather



Small tools or pens fit perfectly in the **right chest pocket**



You can securely store your things in the **sleeve pocket** with zip closure

EXTRAS

- + waterproof
- + windproof
- + hood can be rolled up into the collar
- + detachable sleeves with covered zip
(water can penetrate through the zips in extreme weather or when working on things above head level)
- + front zip closure
- + sleeve pocket with zip fastening on the left sleeve
- + 2 chest pockets with flaps
- + 2 side pockets

CLOTHING SIZES

International Sizes

S – M – L – XL – XXL – XXXL – 4XL

CERTIFICATES AND STANDARDS



COLOURS



HIGH VISIBILITY/WEATHERPROOF CLOTHING

Parka single colour



 View this item in all available colours under "Products" at planam.de

APPLICATIONS

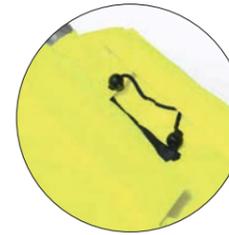


PRODUCT FEATURES

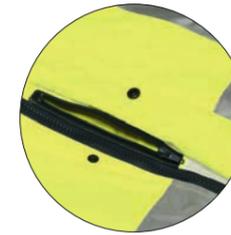


waterproof

windproof



Flexible in all weather conditions: the **roll-up hood** is quick and easy to fold away or roll out again



Keep your items stored securely in the **pocket behind the front flap**



The **drawstring around the waist** makes it easy to adjust the size

EXTRAS

- + waterproof
- + windproof
- + hood can be rolled up into the collar
- + removable inner lining
- + mobile phone pocket
- + front zip closure

CLOTHING SIZES

International Sizes

S – M – L – XL – XXL – XXXL – 4XL

CERTIFICATES AND STANDARDS

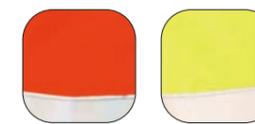


EN ISO 20471:2013
+A1:2016



EN 343:2019

COLOURS



2053
orange

2054
yellow

HIGH VISIBILITY/WEATHERPROOF CLOTHING

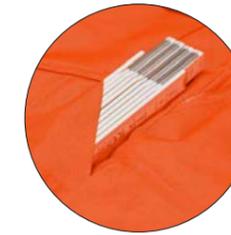
Winter Dungarees single colour



Even heavy tools can be stored in the **thigh pocket**



The **zip on the leg** provides greater freedom of movement



The **ruler pocket** provides practical storage space

EXTRAS

- + waterproof
- + windproof
- + padded
- + zip on the lower leg
- + 2 patch front pockets
- + 2 rear pockets with flaps and Velcro closure
- + 1 ruler pocket on the right
- + 1 thigh pocket with flap and Velcro closure on left leg
- + 1 mobile phone pocket
- + zip fly
- + bib pocket with zip
- + hammer loop
- + high back with solidly constructed elastic middle section
- + clip buckles

CLOTHING SIZES

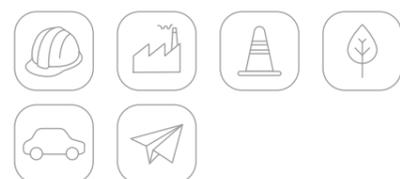
International Sizes
S – M – L – XL – XXL – XXXL – 4XL

CERTIFICATES AND STANDARDS



View this item in all available colours under "Products" at planam.de

APPLICATIONS



PRODUCT FEATURES



waterproof windproof

COLOURS



HIGH VISIBILITY/WEATHERPROOF CLOTHING

Winter Vest single colour



 View this item in all available colours under "Products" at planam.de

APPLICATIONS

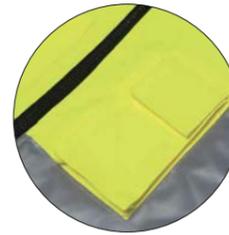


PRODUCT FEATURES



waterproof

windproof



Your items are protected from the wet and easy to access in the **right chest pocket**



The **quilted lining** keeps your torso pleasantly warm, no matter what you are doing



Want to wear it inside-out? The high visibility vest is also **reversible**

EXTRAS

- + waterproof
- + windproof
- + mobile phone pocket on the left
- + 3 pen pockets on the right
- + front zip closure
- + 2 side patch pockets
- + 2 inner pockets

CLOTHING SIZES

International Sizes

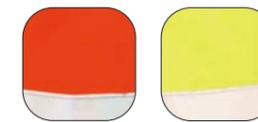
S – M – L – XL – XXL – XXXL – 4XL

CERTIFICATES AND STANDARDS



EN ISO 20471:2013
+A1:2016

COLOURS



2071
orange

2072
yellow

HIGH VISIBILITY/WEATHERPROOF CLOTHING

Comfort Jacket 2-colour



View this item in all available colours under "Products" at planam.de

APPLICATIONS



PRODUCT FEATURES



breathable waterproof windproof



Greater freedom of movement: the **detachable sleeves** turn your jacket into a vest



Your jacket can be worn in all temperatures thanks to the **detachable fake fur lining**



Flexible warmth: with the **detachable collar**, you decide when you need extra warmth

EXTRAS

- + breathable
- + waterproof
- + windproof
- + hood can be rolled up into the collar
- + removable fake fur lining
- + mobile phone pocket
- + detachable sleeves with covered zip (water can penetrate through the zips in extreme weather or when working on things above head level)
- + detachable collar
- + front zip closure
- + sleeve pocket with zip fastening on the left sleeve
- + 2 chest pockets with flaps
- + 2 side pockets

CLOTHING SIZES

International Sizes

S – M – L – XL – XXL – XXXL – 4XL

orange/navy and yellow/navy also available in 5XL – 6XL – 7XL and 8XL

CERTIFICATES AND STANDARDS



EN ISO 20471:2013
+A1:2016



EN 343:2019



EN ISO 20471 Cl. 1
when worn without sleeves
EN ISO 20471 Cl. 3/2
when worn with lining

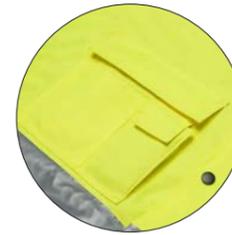
COLOURS



2046 orange/navy 2047 yellow/navy 2048 orange/green

HIGH VISIBILITY/WEATHERPROOF CLOTHING

Parka 2-colour



The **right chest pocket** with flap keeps your things dry and safe



Simply leave the **detachable hood** at home when the weather is nice



The **removable quilted lining** means the parka can be worn all year round

EXTRAS

- + breathable
- + waterproof
- + windproof
- + detachable hood
- + removable inner lining
- + 2 chest patch pockets with flaps and 3 pen pockets and a mobile phone pocket on the right
- + front zip closure with flap and press studs
- + drawstring around the waistband
- + adjustable cuffs

CLOTHING SIZES

International Sizes

S – M – L – XL – XXL – XXXL – 4XL

orange/navy and yellow/navy also available in 5XL – 6XL – 7XL and 8XL

CERTIFICATES AND STANDARDS

 3
EN ISO 20471:2013
+A1:2016

 31X
EN 343:2019


EN 343 Cl. 3/2
when worn without
lining

 View this item in all available colours under "Products" at planam.de

APPLICATIONS



PRODUCT FEATURES

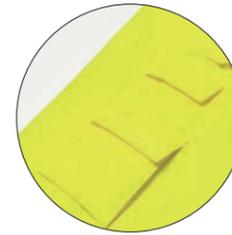


COLOURS



HIGH VISIBILITY/WEATHERPROOF CLOTHING

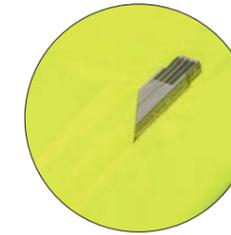
Winter Dungarees 2-colour



Everything is within easy reach: the **thigh pocket** is perfect for storage



The **zips on the legs** make the dungarees easy to put on and take off, even over shoes



The **ruler pocket** keeps your important tools to hand at all times

EXTRAS

- + breathable
- + waterproof
- + windproof
- + padded
- + zip on the lower leg
- + 2 patch front pockets
- + 2 rear pockets with flaps and Velcro closure
- + 1 ruler pocket on the right
- + 1 thigh pocket with flap and Velcro closure on left leg
- + 1 mobile phone pocket
- + zip fly
- + bib pocket with zip
- + hammer loop
- + high back with solidly constructed elastic middle section
- + clip buckles

CLOTHING SIZES

International Sizes
S – M – L – XL – XXL – XXXL – 4XL

CERTIFICATES AND STANDARDS



View this item in all available colours under "Products" at planam.de

APPLICATIONS



PRODUCT FEATURES



COLOURS



HIGH VISIBILITY/WEATHERPROOF CLOTHING

Rain Dungarees 2-colour



View this item in all available colours under "Products" at planam.de

APPLICATIONS



PRODUCT FEATURES



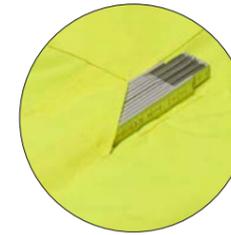
breathable

waterproof

windproof



The **zip on the leg** makes the dungarees particularly comfortable to wear



The dungarees provide plenty of storage, including a **ruler pocket**

EXTRAS

- + breathable
- + waterproof
- + windproof
- + zip on the lower leg
- + 2 patch front pockets
- + 2 rear pockets with flaps and Velcro closure
- + 1 ruler pocket on the right
- + 1 thigh pocket with flap and Velcro closure on left leg
- + 1 mobile phone pocket
- + zip fly
- + bib pocket with zip
- + hammer loop
- + high back with solidly constructed elastic middle section
- + clip buckles

CLOTHING SIZES

International Sizes
S – M – L – XL – XXL – XXXL – 4XL

CERTIFICATES AND STANDARDS



EN ISO 20471:2013
+A1:2016

EN 343:2019

COLOURS



2066
orange/navy

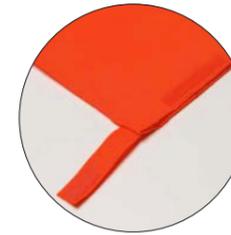
2067
yellow/navy

HIGH VISIBILITY/WEATHERPROOF CLOTHING

Rain Jacket single colour



The **drawstring around the waist** allows you to optimise the fit



Adjustable cuffs with Velcro closure

EXTRAS

- + waterproof
- + hood
- + front zip closure
- + 2 side patch pockets with flaps and Velcro closure
- + front flap with press studs
- + adjustable cuffs with Velcro closure
- + inner Velcro pocket
- + adjustable waistband with drawstring

CLOTHING SIZES

International Sizes
S – M – L – XL – XXL – XXXL – 4XL

CERTIFICATES AND STANDARDS

 3
EN ISO 20471:2013
+A1:2016

 3
2
X
EN 343:2019

 View this item in all available colours under "Products" at planam.de

APPLICATIONS



PRODUCT FEATURES



waterproof

windproof

COLOURS



2061
orange

2062
yellow

HIGH VISIBILITY/WEATHERPROOF CLOTHING

Rain Trousers single colour



The **elastic in the waistband** ensures the perfect fit

EXTRAS

- + waterproof
- + windproof
- + elastic in the waistband
- + zip fly with 2 press studs

CLOTHING SIZES

International Sizes
S – M – L – XL – XXL – XXXL – 4XL

CERTIFICATES AND STANDARDS



View this item in all available colours under "Products" at planam.de

APPLICATIONS



PRODUCT FEATURES



COLOURS



STANDARDS & CERTIFICATION

DIN EN ISO 20471 HIGH-VISIBILITY CLOTHING

Darkness and poor visibility are big risk factors when working outside. In particular, dangerous situations in road traffic, such as at roadworks, are frequently underestimated. And around railway tracks, at airports and around ports, good visibility is a top priority.

DEFINITION OF LEVELS OF RISK

Standard DIN EN ISO 20471 does not differentiate between professional and non-professional use. It is concerned generally with all hazardous situations where there is a danger of not being seen and exclusively with warning clothing for high risk scenarios. The clothing is subdivided into classes 1, 2 and 3.

Minimum area of visible material			
Material	Class 1	Class 2	Class 3
Background material	0.14 m ²	0.50 m ²	0.80 m ²
Retroreflective material	0.10 m ²	0.13 m ²	0.20 m ²
Material with combined properties	0.20 m ²	n. a.	n. a.

The clothing class is based on the smallest area of visible material.

DESIGN

Emphasis is placed on the visibility of people. Fluorescent material and horizontal reflective strips are used to make the torso visible and, where applicable, trouser legs and sleeves visible too. Class 3 products must make the torso visible and, if not both, either have sleeves with reflective strips or long trouser legs with reflective strips.

Therefore warning vests or warning dungarees may not be certified individually for class 3. Clear combinations of horizontal and vertical retroreflective stripes offer the best visual contrast against most backgrounds. Excessive diagonal features and unclear shapes must be avoided. Combinations of clothing, for example a high-visibility jacket with high-visibility trousers, can be certified by DIN EN ISO 20471.



PICTOGRAM:

Labelling is with the pictogram and the class 1, 2 or 3.

The clothing's instructions for use must also state that the service life of the product is not solely dependent on the number of cleaning cycles, but also on use, care and storage.

REFLECTIVE BAND

The Reflective Material has been designed for use on high-visibility clothing, workwear and professional clothing to improve the visibility of the wearer when it is dark or visibility is poor. The material shines a brilliant white when illuminated by vehicle headlights, even if the wearer is at the edge of the road. Reflective Material is composed of exposed retroreflective lenses bonded to a durable blended fabric (65% polyester / 35% cotton). It far exceeds the minimum retroreflective performance required by the highest category (class 3). Its retroreflective properties are not dependent on the direction the clothing is facing.



EN 343 PROTECTIVE CLOTHING AGAINST THE RAIN

The European standard specifies the requirements for protective clothing against foul weather. The parameters for this standard concern resistance to penetration by water (water impermeability) and water vapour resistance (breathability).

These two parameters are subdivided into 4 classes.

For resistance to water penetration the following is required:

Water penetration resistance (WP)	Class			
	1	2	3	4
Material before washing	WP ≥ 8,000 Pa ▲ approx. 816 mm water column	–	–	–
Material after washing	–	WP ≥ 8,000 Pa ▲ approx. 816 mm water column	WP ≥ 13,000 Pa ▲ approx. 1,326 mm water column	WP ≥ 20,000 Pa ▲ approx. 2,040 mm water column
Seams before washing	WP ≥ 8,000 Pa	WP ≥ 8,000 Pa	WP ≥ 13,000 Pa	–
Seams after washing	–	–	–	WP ≥ 20,000 Pa

1,000 PA corresponds to approx. 102 mm water column. The water column specifies the water pressure that the upper material can withstand before water penetrates it. The figures specify the load limit at which the first drops penetrate the fabric.

For water vapour resistance:

Class 1	=	Ret > 40
Class 2	=	Ret > 25 ≤ 40
Class 3	=	Ret > 15 ≤ 25
Class 4	=	Ret ≤ 15



DIN EN 14404 KNEE PROTECTION FOR WORKERS KNEELING DOWN

Working in a kneeling position creates constant pressure on the knee. Knee protection is designed to distribute the forces produced evenly across it. In addition to this, it is designed to prevent injuries or damage caused by hard surfaces, small stones or similar objects lying on the ground.

Knee protection is subdivided into 4 types:

Type 1:	Knee protection that is separate from clothing and fastened to the leg.
Type 2:	Pads inserted into pockets on trouser legs or permanently attached to the trousers.
Type 3:	Equipment that is not attached to the body.
Type 4:	Knee protection forming part of a unit with additional functions.

In addition to this, there are three performance classifications:

Level 0:	No protection against punctures.
Level 1:	The knee protection is suitable for even ground where there is no risk of objects over 1 cm in height.
Level 2:	The knee protection is for use in challenging conditions, such as for example when kneeling on stones in mines or quarries.

The PLANAM knee pad product no. 9901027 is certified as Type 2, Level 1/ Level 0 knee protection. This certification only applies in conjunction with PLANAM trousers, dungarees or overalls and cannot be transferred to other products.



UV PROTECTIVE CLOTHING WITH INTEGRATED SUN PROTECTION

The largest organ of the human body is the skin, and it is exposed to great danger in summer. UV rays from the sun can increase the risk of skin cancer. Standard textiles are radiolucent, providing insufficient protection.

PLANAM's UV-protective clothing gives guaranteed certified safety. Awarded UV protection certificates "PROTECT 80" and "PROTECT 40", this range guarantees maximum prevention. Just like for sunscreens, the figure indicates the protection factor for spending longer in the sun safely. Our PLANAM models allow the wearer to remain in the sun 80 or 40 times longer than those without protection. With their integrated sun protection factor, the finished garments provide the skin with optimum protection. Those with sensitive skin can stay in the sun longer without having to cover themselves in sunscreen. It is important to know the individual skin type in order to determine the individual's protection time (length of possible exposure to the sun without risk of skin damage). The UV protection factor specified (e. g. Protect 80) gives the factor by which the individual's protection time can be extended just by wearing these textiles.



THE OEKO-TEX® STANDARD 100

The OEKO-TEX® Standard 100 is an independent testing and certification system for raw, intermediate and end products for textiles from all stages of processing. Examples of certifiable articles are raw and dyed/refined yarns, raw and dyed/refined woven and knitted fabrics, ready-made articles (garments of all types, home textiles, bedding, terry towelling, toys made of textiles and many others).

Tests for harmful substances cover:

- + substances banned by law
- + substances regulated by law
- + chemicals that are known to be potentially harmful to health (but are not yet regulated by law)
- + healthcare parameters in their entirety, the requirements go well beyond existing national legislation.

Why OEKO-TEX®?

The OEKO-TEX® Standard 100 was developed in the early 1990s as a response to the need of consumers and the general public for textiles that do not pose a risk to health. Negative headlines such as "Poisons in textiles" were widespread at the time, labelling all chemicals used in the production of textiles as negative and harmful to health.

Yet the demands made of modern textile products cannot be met without using certain chemical substances. Fashionable colours, easy care, long life and many other functional properties are demanded of textiles today and are, to some extent, and depending on their intended use (e.g. for professional and protective clothing), quite indispensable.





HIGH VISIBILITY

PERSONALISATION IN NEXT TO NO TIME

Workwear is advertising space for your logo and acts like a business card for your company. Personalisation ensures a recognisable and positive company image. Our finishing service brings your message to a wider audience in a customised, professional and fast manner.

PLANAM Individual specialises in personalising your workwear. From reflective appliqués to transfer prints and embroidery, we offer multiple personalisation options of the highest quality. Whether you need small quantities for handcraft businesses or large runs for industrial companies – our team of experts are on hand to provide you with personal advice and detailed information about the optimal finishing types for our products. This also includes finishing options with methods specifically adapted to the certification requirements of certified protective clothing.



+49(0)5245-86060

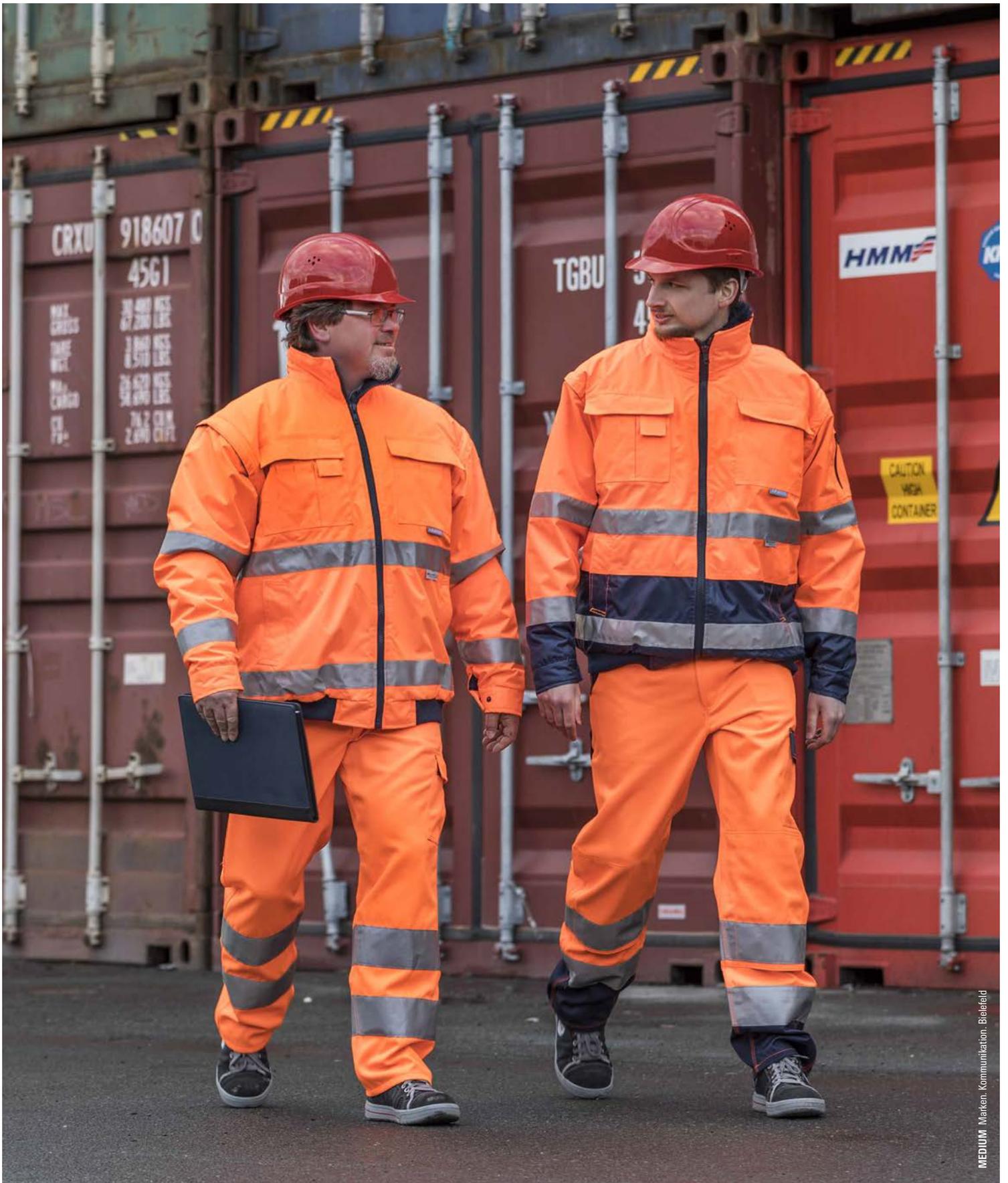
Individual logo, individual support
You can call us for advice from Monday to Friday between 8am and 5pm.

HIGH VISIBILITY/ WEATHERPROOF CLOTHING

HIGH VISIBILITY			HIGH VISIBILITY/WEATHERPROOF CLOTHING		
Waisted Jacket single colour	orange yellow	2001 2002	Pilot Jacket single colour	orange yellow	2043 2044
Trousers single colour	orange yellow	2011 2012	Parka single colour	orange yellow	2053 2054
Dungarees single colour	orange yellow	2021 2022	Winter Dungarees single colour	orange yellow	2063 2060
Shorts single colour	orange yellow	2015 2014	Winter Vest single colour	orange yellow	2071 2072
Overalls single colour	orange	2031	Rain Jacket single colour	orange yellow	2061 2062
Polo Shirt single colour	orange yellow	2091 2092	Rain Trousers single colour	orange yellow	2064 2065
T-Shirt single colour	orange yellow	2095 2096	Comfort Jacket 2-colour	orange/navy yellow/navy orange/green	2046 2047 2048
Waisted Jacket 2-colour	orange/navy yellow/navy orange/green	2006 2007 2008	Parka 2-colour	orange/navy yellow/navy orange/green	2056 2057 2058
Trousers 2-colour	orange/navy yellow/navy orange/green	2016 2017 2018	Winter Dungarees 2-colour	orange/navy yellow/navy	2086 2087
Dungarees 2-colour	orange/navy yellow/navy orange/green	2026 2027 2028	Rain Dungarees 2-colour	orange/navy yellow/navy	2066 2067
Overalls 2-colour	orange/navy	2036			
Polo Shirt 2-colour	orange/grey	2098			



You can view interactive images of products from the High visibility / weatherproof clothing range here:



MEDIUM Marken, Kommunikation, Beisfeld

Your PLANAM specialists


Fashion for your profession