



# VIKING RUBBER

HIGH QUALITY WORKWEAR



HIGH QUALITY  
WORKWEAR











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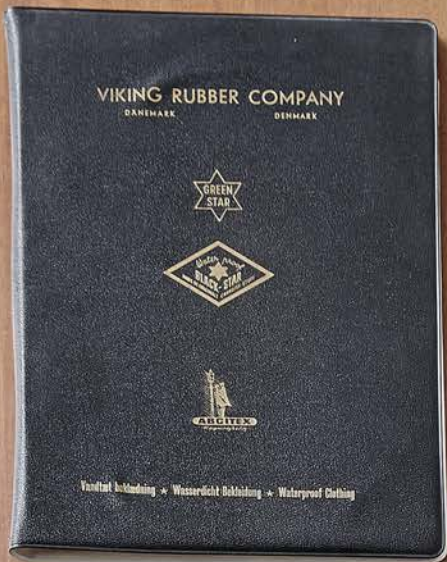
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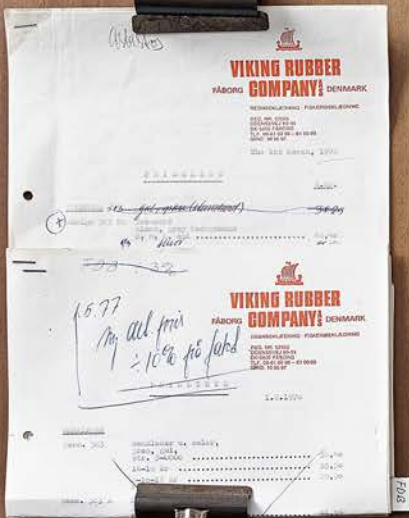
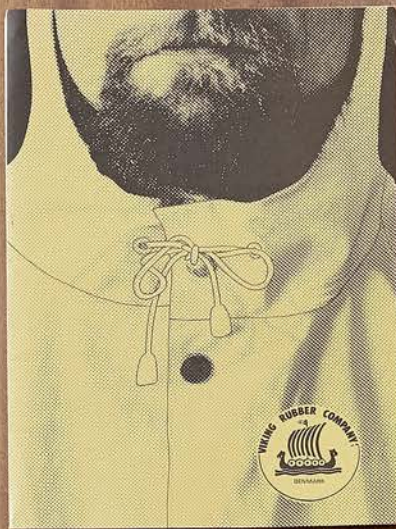
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# QUALITY IS OUR TRADITION

The cornerstones on which the success of our business is based are:

- End users of the Viking workwear who feels comfortable and good.
- Distributors who see Viking as a trustworthy and fair partner.
- Suppliers who solve challenges in a close cooperation with Viking Rubber Co. employees.
- Vikings who are motivated and delighted meet their daily work and challenges with a smile.

Our sales team and distributors around the world will in Faaborg, Denmark, always find a team of competent and technical solutions. Solutions which our design department translates into functional and attractive new designs. Here, the around 400 highly skilled employees in Viking Vietnam takes over and manufacture high quality workwear.

The central values of our partnerships, reliability and mutual respect are all values passed on from generation to generation and latest from Kurt Mikael Andersen to his son Alexander Mygind Andersen who from 2017 entered the management of the company.

## HISTORY

### 1935

Viking Rubber Company A/S is founded by the Rasmussen brothers near Asnaes on Zealand. The family-owned company started out by producing heavy-duty rainwear for industry and agriculture as well as for commercial fishermen.

### 1976

The Company is sold to Svend Aage Andersen and Kurt M. Andersen.

### 1991

First step on the way to outsourcing Viking's production facilities to Eastern Europe.

### 2006

New production plant of 2,000 sqm is opened in Ho Chi Minh City, Vietnam.

### 2008

The production facilities in Ho Chi Minh City, Vietnam are expanded from 2,000 to 6,000 sqm.

### 2013

Viking Vietnam Ltd. becomes SA 8000 certified.

### 2016

Viking Vietnam Ltd. becomes ISO 14001 certified.

### 2017

Alexander Mygind Andersen joins the company management as third generation of the Andersen family.





Create your own individual design with Viking Rubber Co.

Please contact us so we together can create unique, high quality workwear for your team.

We understand and acknowledge your need for individual solutions in workwear partly because you gain recognition which make your image stronger but also because you want to protect your employees as much as possible. To meet whatever wishes you may have we design workwear that 100% live up to the demands of your organisation.

# **COSTUMIZED SOLUTIONS**

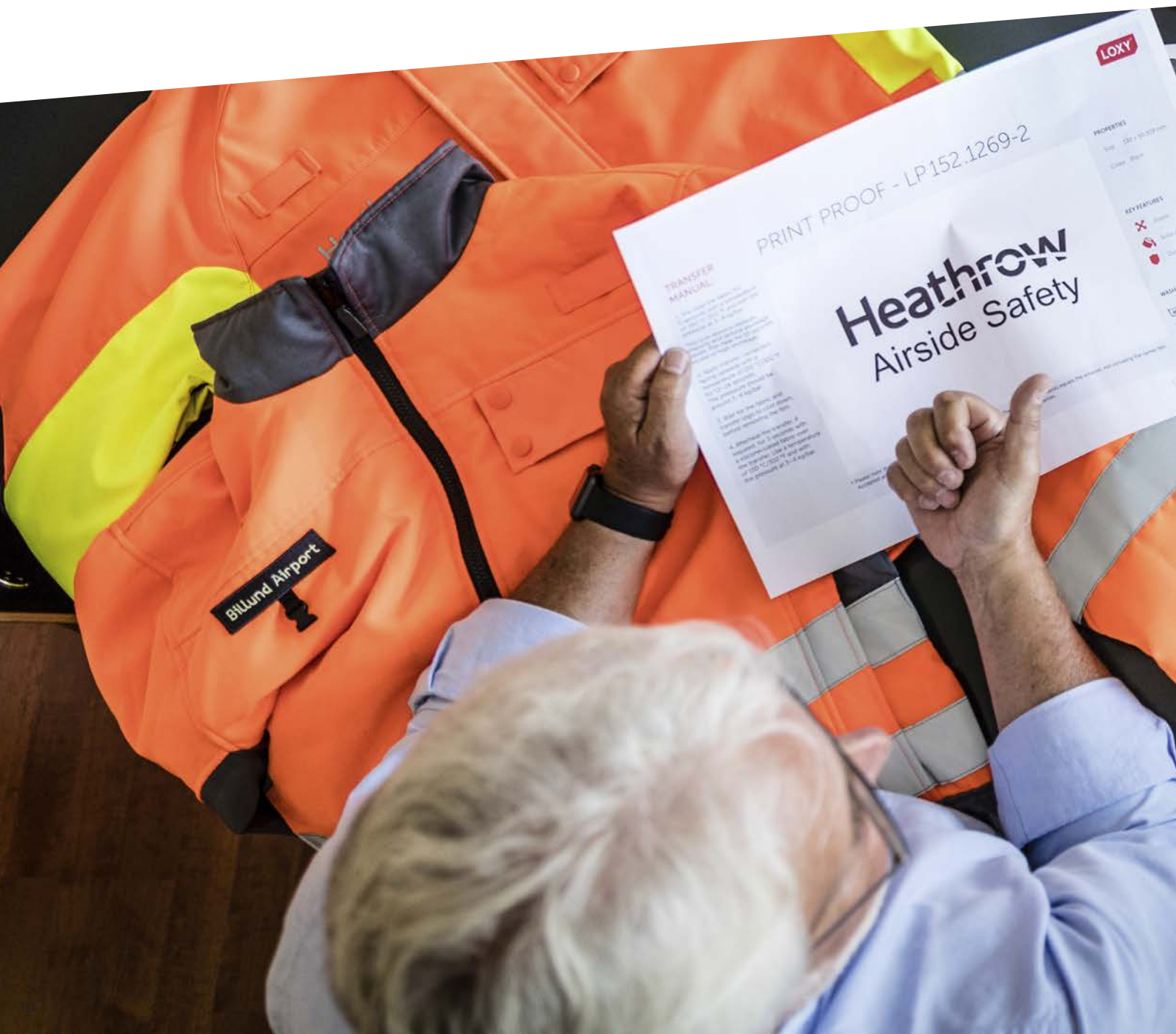






# CREATE YOUR OWN DESIGN AND GET THIS:

- A HIGHER LEVEL OF RECOGNITION.
- HIGH QUALITY.
- CONTENT AND PROUD EMPLOYEES THROUGH FUNCTIONAL CLOTHING.
- AN INDIVIDUAL AND UNIQUE COMPANY PROFILE.





# CUSTOMIZED SOLUTION IN THREE SIMPLE STEPS

## STEP #01

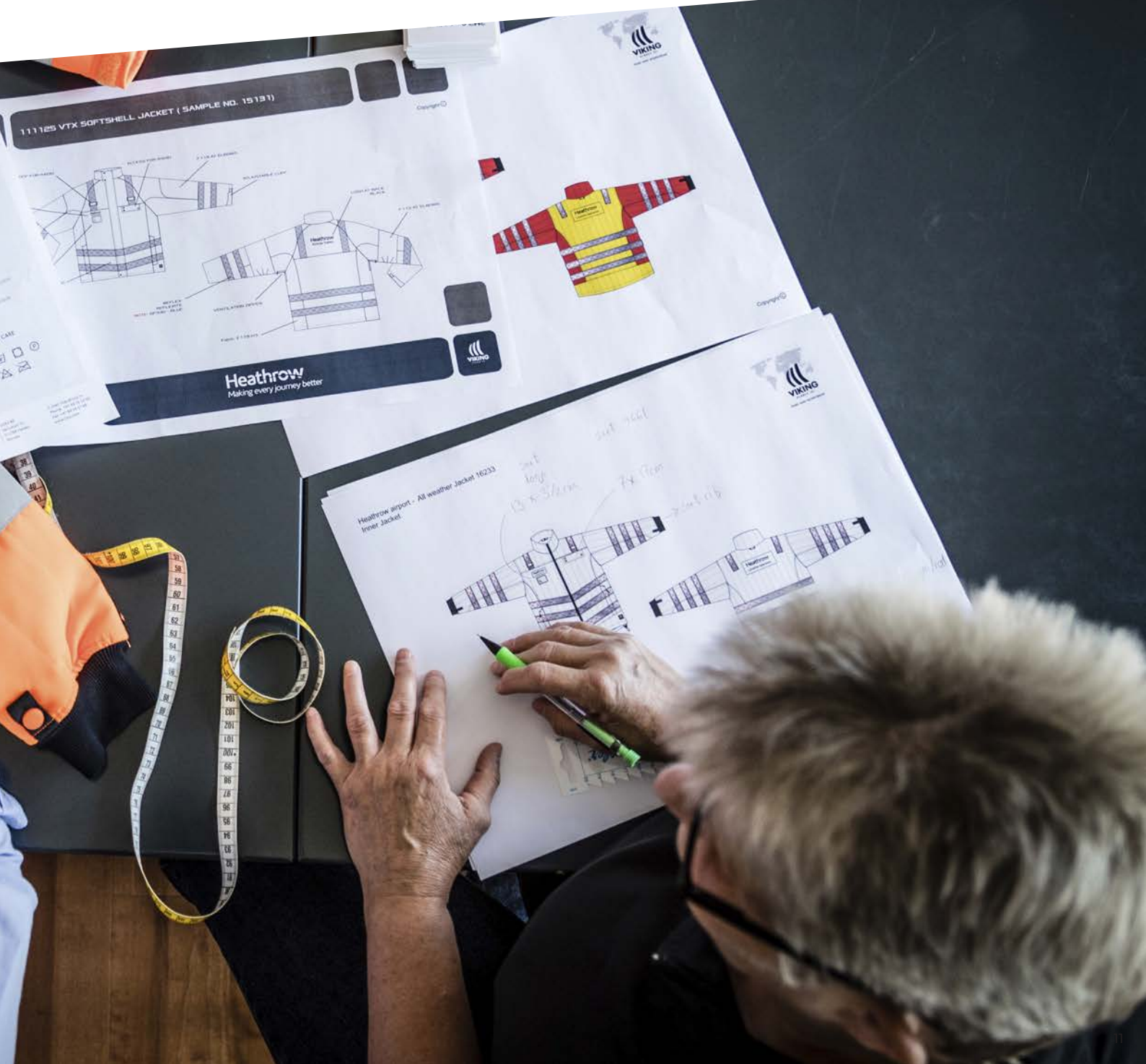
Idea- and design generation in consultation between you, our designer and product manager.

## STEP #02

Technical adjustments, feedback and your final approval before production.

## STEP #03

Production and reception of your new, customized solution.











For several month we have worked on, developed, field-proven and optimized the latest creation of Viking Rubber - "EVOLUTION". It has been developed in collaboration with companies like Hartvigsen & Ko and Billund Airport which is why we dare to say that we are proud of these products.

EVOLUTION is characterized as a new generation of workwear that combines design, functionality and safety.

The series are designed for year round use and are made for everyone from the master craftsmen who want clothes that stand out, to the contractor or engineer who need a light, hi-vis jacket to use outside their everyday clothes, when they are travelling around the construction site.

# EVOLUTION



# EVO35

EVO35 is for you who is willing to spend a bit more on high quality and durability. It is made for you who wish to stand out and radiate quality which is consistent to the work you perform. EVO35 is quality that is tangible. The material is textured, durable and has the Cordura® reinforcement on the critical areas including on the knees, so your knee pads and knees get injured as little as possible. In the construction of the trousers, we have among other things created a tight shape of the legs with fixated knee pads that therefore does not move when you are working.

In addition to the construction of the clothes we have made sure that your Viking Rubber workwear releases your excess body heat, throughout embedded, breathable places such as stretch wedges in the crotch and in the popliteal space. EVO35 is characterized by its sueded zippers.

As a part of the series we offer you a GORE-TEX jacket besides our softshell jacket, a winterjacket, trousers, overalls and shorts.



## GORE-TEX® JACKET EVO35

Adjustable hood · Shaped sleeves · Adjustable cuffs · Chest pocket with zipper · Front pockets with zipper · Back pocket with zipper · Water repellent zippers · 3M® Reflex effect · Elastic at the bottom · Water repellent · Windproof · Cordura® reinforcement on elbows · Waterproofness: 10.000mm · Breathability: 7.000 g/m<sup>2</sup>/24 hours · Outer fabric: Goretex®, 100% PES, 230g/m<sup>2</sup>.

**OLIVE GREEN** 112097-136-U5  
**NAVY BLUE** 112097-136-R6  
**BLACK** 112097-136-Z9  
**SIZE** S-3XL (Size chart: A)







**CORDURA**  
FABRIC

**3M Scotchlite**  
Reflective Material

**F119**

EVOLUTION

## SOFTSHELL EV035

Detachable adjustable hood · Shaped sleeves · Adjustable cuffs · Chest pocket with zipper · Front pockets with zipper · Inside pockets · Storm cuffs · 3M® Reflex effect · Elastic at the bottom · Ventilation under the arms · Cordura® reinforcement on elbows · Water repellent · Breathability: 3000g/m<sup>2</sup> · Windproof · Outer fabric: F119 (Softshell), 100% PES, 320g/m<sup>2</sup> · Fixed lining: 100% PES, 53g/m<sup>2</sup>.

<b>DARK GREY</b>	111080-119-R8
<b>NAVY BLUE</b>	111080-119-P6
<b>BLACK</b>	111080-119-Z9
<b>SIZE</b>	XS-3XL (Size chart: A)



**CORDURA**  
FABRIC

## SHORTS EV035

Dull black buttons · Front pockets · Cell phone pocket · Back pockets · Thigh pocket with penholder · Reinforced ruler pocket · Zip off hanging pockets with rooms · D-ring · Wide belt loops for tools · Elastic waistband · Hammer strap · Stretch in crutch · Cordura® reinforcement on thighs · Outer fabric: 65% PES / 35% CO, 250g/m<sup>2</sup>.

<b>OLIVE GREEN/BLACK</b>	421016-478-U5Z9
<b>NAVY BLUE/BLACK</b>	421016-478-R6Z9
<b>BROWN/BLACK</b>	421016-478-J7Z9
<b>GREY/BLACK</b>	421016-478-M8Z9
<b>BLACK</b>	421016-478-Z9
<b>SIZE</b>	42 - 64 (Size chart: A)





## BIB TROUSERS EV035

Chest pocket with penholder and zipper · Fix-Lock® suspenders · Adjustable belt loops · Front pockets with D-ring · Thigh pocket with penholder · Cell phone pocket · Back pockets · Adjustable knee pockets in Cordura® · Reinforced ruler pocket · Zip off hanging pockets with rooms · Stretch in the side · 3M® Reflex effect · Hammer strap · Stretch in crotch and knees · Shaped legs · Cordura® reinforcement on thighs and bottom of the leg · Adjustable leg length · Outer fabric: 65% PES / 35% CO, 250g/m².

<b>OLIVE GREEN/BLACK</b>	423039-478-U5Z9
<b>NAVY BLUE/BLACK</b>	423039-478-R6Z9
<b>BROWN/BLACK</b>	423039-478-J7Z9
<b>GREY/BLACK</b>	423039-478-M8Z9
<b>BLACK</b>	423039-478-Z9
<b>SIZE</b>	42+ - 64+ / 24 - 28 (Size chart: A)







F120

EVOLUTION

## WINTER JACKET EV035

Detachable adjustable hood · Shaped sleeves · Adjustable cuffs · Dull black buttons · Chest pockets · Front pockets · ID card pocket · Inside pocket with zipper · 3M® Reflex effect · Elastic at the bottom · Quilt lining · Extra long in the back · Cordura® reinforcement on elbows · Fully taped · Waterproofness: 8000 mm · Breathability: 4000 g/m² · Windproof · Dirt repellent · Outer

fabric: F120, 80% PES / 20% CO, 210g/m² · Fixed lining: 100 % PES Rib stop 70g/m² / 100% PES-vat 150g/m².

<b>BLACK</b>	111130-120-Z9
<b>GREY</b>	111130-120-R8
<b>NAVY BLUE</b>	111130-120-P6
<b>SIZE</b>	S-3XL (Size chart: A)



## WORK TROUSERS EV035

Dull black buttons · Front pockets · Thigh pocket with penholder · Cell phone pocket · Back pockets · Adjustable knee pockets in Cordura® · Reinforced ruler pocket · Zip off hanging pockets with rooms · 3M® Reflex effect · D-ring · Wide belt loops for tools · Elastic waistband · Hammer strap · Stretch in crutch and knees · Shaped legs · Extra long in the back · Cordura® reinforcement on thighs and bottom of the leg · Adjustable leg length · Outer fabric: 65% PES / 35% CO, 250g/m².

<b>OLIVE GREEN/BLACK</b>	422052-478-U5Z9
<b>NAVY BLUE/BLACK</b>	422052-478-R6Z9
<b>BROWN/BLACK</b>	422052-478-J7Z9
<b>GREY/BLACK</b>	422052-478-M8Z9
<b>BLACK</b>	422052-478-Z9
<b>SIZE</b>	42+ - 64+ / 24 - 28 (Size chart: A)





# EVOBASE

EVOBASE is our less costly counterpart to EVO35. It is made for you who employ multiple specialist tradesmen such as electricians, chauffeurs, industrial workers or warehouse staff which is why this series is mainly suited for indoor use.

The series has the same spacious pockets as EVO35 and has Cordura® reinforcement on the critical areas. The EVOBASE-products are "scratch free" which means that the clothes have no visible metal parts to scratch and damage the products you are working on.

We offer you trousers, shorts, overalls, three kinds of jackets and a reversible zip in jacket for the all weather jacket and a rain jacket with trousers.



## BIB TROUSERS EVOBASE

Chest pocket with penholder and zipper ·  
Fix-Lock® suspenders · Adjustable belt loops ·  
Front pockets · Thigh pocket with penholder ·  
Cell phone pocket · Back pockets · Adjustable  
knee pockets in Cordura® · Reinforced ruler  
pocket · Hidden buttons and zippers · Stretch  
in the side · Orafol® Reflex effect · Shaped  
legs · Adjustable leg length · Outer fabric:  
Twill 65% PES / 35% CO 250g/m².

<b>RED/BLACK</b>	423028-441-M4Z9
<b>BRILLIANT BLUE/BLACK</b>	423028-441-J6Z9
<b>ROYAL BLUE/BLACK</b>	423028-441-M6Z9
<b>NAVY BLUE/BLACK</b>	423028-441-R6Z9
<b>GREY/BLACK</b>	423028-441-R8Z9
<b>BLACK</b>	423028-441-Z9
<b>SIZE</b>	42+ - 64+ / 24 - 28 (Size chart: A)







## WORK JACKET EVOBASE

Microfleece in collar · Shaped sleeves · Adjustable cuffs · Chest pocket with D-ring · Front pockets with zipper · Penholder on sleeve · Hidden buttons and zippers · Orafol® Reflex effect · Ventilation under the arms · Extra long in the back · Cordura® reinforcement on elbows · Outer fabric: Twill 65% PES / 35% CO 250g/m<sup>2</sup>.

<b>RED/BLACK</b>	411049-441-M4Z9
<b>BRILLIANT BLUE/BLACK</b>	411049-441-J6Z9
<b>ROYAL BLUE/BLACK</b>	411049-441-M6Z9
<b>NAVY BLUE/BLACK</b>	411049-441-R6Z9
<b>GREY/BLACK</b>	411049-441-R8Z9
<b>BLACK</b>	411049-441-Z9
<b>SIZE</b>	S-3XL (Size chart: A)



## SHORTS EVOBASE

Front pockets · Cell phone pocket · Back pockets · Thigh pocket with penholder · Reinforced ruler pocket · Hidden buttons and zippers · Elastic waistband · Hammer strap · Outer fabric: Twill 65% PES / 35% CO 250g/m<sup>2</sup>.

<b>RED/BLACK</b>	421015-441-M4Z9
<b>BRILLIANT BLUE/BLACK</b>	421015-441-J6Z9
<b>ROYAL BLUE/BLACK</b>	421015-441-M6Z9
<b>NAVY BLUE/BLACK</b>	421015-441-R6Z9
<b>GREY/BLACK</b>	421015-441-R8Z9
<b>BLACK</b>	421015-441-Z9
<b>SIZE</b>	42 - 64 (Size chart: A)



## WORK TROUSERS EVOBASE

Front pockets · Cell phone pocket · Back pockets · Thigh pocket with penholder · Adjustable knee pockets in Cordura® · Reinforced ruler pocket · Hidden buttons and zippers · Orafol® Reflex effect · Elastic waistband · Hammer strap · Shaped legs · Adjustable leg length · Outer fabric: Twill 65% PES / 35% CO 250g/m<sup>2</sup>.

<b>RED/BLACK</b>	422057-441-M4Z9
<b>BRILLIANT BLUE/BLACK</b>	422057-441-J6Z9
<b>ROYAL BLUE/BLACK</b>	422057-441-M6Z9
<b>NAVY BLUE/BLACK</b>	422057-441-R6Z9
<b>GREY/BLACK</b>	422057-441-R8Z9
<b>BLACK</b>	422057-441-Z9
<b>SIZE</b>	42+ - 64+ / 24 - 28 (Size chart: A)







## SOFTSHELL EVOBASE

Microfleece in collar · Shaped sleeves · Adjustable cuffs · Chest pocket with zipper · Front pockets with zipper · Orafol® Reflex effect · Adjustable elastic at the bottom · Water repellent · Breathability: 3000g/m<sup>2</sup> · Windproof · Outer fabric: 100% PES, 330g/m<sup>2</sup>.

**NAVY BLUE** 111131-151-R6  
**GREY** 111131-151-R8  
**BLACK** 111131-151-Z9  
**SIZE** S - 3XL  
 (Size chart: A)



**SEE ZIP  
 IN REVERSIBLE  
 JACKET  
 (511012-520)  
 ON PAGE 65**

## ALL WEATHER JACKET EVOBASE

Detachable adjustable hood · Microfleece in collar · Shaped sleeves · Adjustable cuffs · Chest pocket with zipper · Front pockets with zipper · Inside pocket · Orafol® Reflex effect · Adjustable elastic at the bottom · Ventilation under the arms · Cordura® reinforcement on elbows · Waterproofness: 6000 mm · Breathability: 3000g/m<sup>2</sup> · Windproof · Outer fabric: 80% PES / 20% PU, 210g/m<sup>2</sup> · Fixed

lining: 100% PA, 62g/m<sup>2</sup> · Prepared for fixing the inner jacket 511012-520.

**BLACK/ROYAL BLUE** 112131-126-Z9M6  
**BLACK/GREY** 112131-126-Z9R8  
**BLACK** 112131-126-Z9  
**SIZE** S - 3XL  
 (Size chart: A)







## RAINJACKET PU, EVOBASE

Front pockets · Solid hood with draw cord, integrated in the collar · Ventilation in the back · Reflex on the frontshoulder · Storm cuffs · Overlapped front closing with hidden zipper and velcro · Simple elastic at the bottom · Waterproofness 5000 mm · Outer fabric: 30% PU/70% PES, 220g/m<sup>2</sup>.

**NAVY BLUE**  
**BLACK**  
**SIZE**

312008-303-P6  
312008-303-Z9  
S - 3XL  
(Size chart: A)



## RAINTROUSER PU, EVOBASE

Elastic waistband · Button adjustment at the ankle · Reflex on the bottom leg · Waterproofness 5000 mm · Outer fabric: 30% PU/70% PES, 220g/m<sup>2</sup>.

**NAVY BLUE**  
**BLACK**  
**SIZE**

322007-303-P6  
322007-303-Z9  
S - 3XL  
(Size chart: A)



# EVOSAFE

EVOSAFE is part of our functional EVOLUTION-series which we are very proud of. We combine movability - without limitations, with great safety for you who enter work as a contractor.

EVOSAFE is for you who have requirements for high visibility, want comfortable, durable workwear that give you the demanding safety when you move around on the construction site, and at the same time give you a soft type of workwear.



## SHORTS EVOSAFE

Front pockets · Back pockets · D-ring · Hidden Thigh pocket · Reinforced ruler pocket · Hidden buttons and zippers · Elastic waistband · Elastic in crotch · Hammer strap · Outer fabric: 75% PES / 25% CO, 260g/m<sup>2</sup>.

**HV-ORANGE/BLACK**  
**HV-YELLOW/BLACK**  
**SIZE**

421017-480-H3Z9  
421017-480-H2Z9  
42 - 64  
(Size chart: A)



**SEE ZIP  
IN REVERSIBLE  
JACKET  
(511012-520)  
ON PAGE 65**



**3M Scotchlite**  
Reflective Material

**F120**

EVOLUTION

## ALL WEATHER JACKET EVOSAFE

Detachable adjustable hood · Microfleece in collar · Shaped sleeves · Adjustable cuffs · Chest pocket with zipper · Front pockets with zipper · Inside pocket · 3M® Reflex · Adjustable elastic at the bottom · Ventilation under the arms · Cordura® reinforcement on elbows · Waterproofness: 8000 mm · Breathability: 4000g/m² · Windproof · Outer

fabric: F120, 80% PES / 20% CO, 210g/m² · Fixed lining: 100% PA, 62g/m² · Prepared for fixing the inner jacket 511012-520

**HV-ORANGE/BLACK**  
**HV-YELLOW/BLACK**  
**SIZE**

112132-120-H3Z9  
112132-120-H2Z9  
S-3XL (Size chart: A)



**3M Scotchlite**  
Reflective Material

## WORK JACKET EVOSAFE

Microfleece in collar · Shaped sleeves · Adjustable cuffs · Chest pocket with D-ring · Front pockets with zipper · Penholder on sleeve · Hidden buttons and zippers · 3M® Reflex · Ventilation under the arms · Extra long in the back · Cordura® reinforcement on elbows · Outer fabric: 75% PES / 25% CO, 260g/m².

**HV-ORANGE/BLACK**  
**HV-YELLOW/BLACK**  
**SIZE**

411048-480-H3Z9  
411048-480-H2Z9  
S-3XL (Size chart: A)





## SOFTSHELL EVOSAFE

Detachable adjustable hood · Shaped sleeves · Adjustable cuffs · Chest pocket with zipper · Front pockets with zipper · Inside pockets · Storm cuffs · 3M® Reflex · Elastic at the bottom · Ventilation under the arms · Cordura® reinforcement on elbows · Water repellent · Breathability: 3000g/m² · Windproof · Outer fabric: F119 Softshell, 100% PES, 320g/m² · Fixed lining: 100% PES, 53g/m².

**HV-ORANGE/BLACK** 111081-119-H3Z9  
**HV-YELLOW/BLACK** 111081-119-H2Z9  
**SIZE** S-3XL  
 (Size chart: A)



## WORK TROUSERS EVOSAFE

Front pockets with D-ring · Thigh pockets · Cell phone pocket · Back pockets · Reinforced ruler pocket · Adjustable knee pockets in Cordura® · Hidden buttons and zippers · 3M® Reflex · Wide belt loops for tools · Hammer strap · Shaped legs · Cordura® reinforcement at the bottom of the leg · Adjustable leg length · Outer fabric: 75% PES / 25% CO, 280g/m² · Size 24-26 reach EN ISO 20471 class 1 and size 27-28 and 42+-64+ reach EN ISO 20471 class 2.

**HV-ORANGE/BLACK** 422055-480-H3Z9  
**HV-YELLOW/BLACK** 422055-480-H2Z9  
**SIZE** 42+ - 64+ / 24 - 28 (Size chart: A)



## BIB TROUSERS EVOSAFE

Chest pocket with penholder og zipper · Fix-Lock® suspenders · Adjustable belt loops · Front pockets with D-ring · Thigh pocket with penholder · Cell phone pocket · Back pockets · Adjustable knee pockets in Cordura® · Reinforced ruler pocket · Stretch in the side · 3M® Reflex · Hammer strap · Stretch in crutch · Shaped legs · Cordura® reinforcement at the bottom of the leg · Adjustable leg length · Outer fabric: 75% PES / 25% CO, 260g/m².

**HV-ORANGE/BLACK** 423027-480-H3Z9  
**HV-YELLOW/BLACK** 423027-480-H2Z9  
**SIZE** 42+ - 64+ / 24 - 28  
 (Size chart: A)





EVOLUTION



# EVOLITE

EVOLITE is our, in terms of styles, light weight workwear (235 g) in hi-vis orange and yellow. We offer you a jacket, a tool vest in class two with foldable pockets and an opening for safety harness. Besides that we offer overalls and trousers with same fit as the EVO35 and EVOBASE.

This excellent twill garment is perfect for the entrepreneur, the road worker, the chauffeur or technicians who require maximum safety and visibility.



## BIB TROUSERS EVOLITE

Chest pocket with penholder and zipper · Fix-Lock® suspenders · Adjustable belt loops · Front pockets · Thigh pocket with penholder · Cell phone pocket · Back pockets · Ruler pocket · Hidden buttons and zippers · Stretch in the side · Orafol® Reflex · Shaped legs · Adjustable leg length · Outer fabric: 70% PES / 30% CO, 235g/m<sup>2</sup>.

**HV-ORANGE**

423038-419-H3

**HV-YELLOW**

423038-419-H2

**SIZE**

42+ - 64+ / 24 - 28

(Size chart: A)



EN ISO 20471







## WORK JACKET EVOLITE

Microfleece in collar · Shaped sleeves · Adjustable cuffs · Chest pocket with D-ring · Front pockets with zipper · Penholder on sleeve · Hidden buttons and zippers · Orafol® Reflex · Extra long in the back · Outer fabric: 70% PES / 30% CO, 235g/m².

**HV-ORANGE**  
**HV-YELLOW**  
**SIZE**

411057-419-H3  
411057-419-H2  
S-3XL (Size chart: A)



## VEST EVOLITE

Chest pocket with D-ring · Front pockets · Hanging pockets · Output for safety line · Wide belt loops · Hammer strapper · Orafol® Reflex · Outer fabric: 70% PES / 30% CO, 235g/m².

**HV-YELLOW**  
**SIZE**

418023-419-H2  
S - 3XL (Size chart: A)

## TROUSERS EVOLITE

Front pockets · Cell phone pocket · Back pockets · Thigh pocket with penholder · Ruler pocket · Hidden buttons and zippers · Orafol® Reflex · Elastic waistband · Hammer strap · Shaped legs · Adjustable leg length · Outer fabric: 70% PES / 30% CO, 235g/m² · Size 24-26 reach EN ISO 20471 class 1 and size 27-28 and 42+-64+ reach EN ISO 20471 class 2.

**HV-ORANGE**  
**HV-YELLOW**  
**SIZE**

422072-419-H3  
422072-419-H2  
42+ - 64+ / 24 - 28  
(Size chart: A)

# EXTREME ACCESS

We have in the light of multiple interviews with © Siemens AG and © Vestas Wind Systems developed our Extreme Access-suit for you who work at high altitudes with the need of hard-wearing, water- and windproof workwear that give you great functionality and comfort. You feel the functionality and comfort through the pre-shaped sleeves, the tight fit, and elastic cuffs that altogether give you free movability. Extreme Access is designed especially for you, who wear all kind of protection gear,

which is why we among other things have added velcro-secured pockets with internal D-rings to protect tools etc. from falling out. Besides that we have placed two pockets with zippers at the lower part of the leg to avoid pressure marking and in addition to that, they allow you to reach them even in bended positions at high altitudes. The certification EN ISO 20471, class 3 is only valid when jacket and trousers are worn together.



## JACKET EXTREME ACCESS

Adjustable hood · Zipper fastening for trousers · Shaped sleeves · Elastic at the wrist · Chest pockets · Sleeve pockets · Microphone holder · 3M® Reflex · Fully taped · Cordura® reinforcement on elbows · Waterproofness: 8000 mm · Breathability: 4000g/m<sup>2</sup> · Windproof · Dirt repellent · Outer fabric: F120, 80% PES / 20% PU, 210g/m<sup>2</sup> · Fixed lining: 100% PES, 55g/m<sup>2</sup> / 100% PES-net, 60g/m<sup>2</sup>.

**HV-RED/BLACK** 111084-120-H4Z9  
**SIZE:** S-3XL (Size chart: A)



## TROUSERS EXTREME ACCESS

Detachable braces · Zipper fastening for jacket · Elastic at ankle · Adjustable knee pockets in Cordura® · Thigh pockets · Pockets on the lower leg · Zipper in the leg · Elastic waistband · 3M® Reflex · Fully taped · Cordura® reinforcement on knees, seat and lower part of the leg · Waterproofness: 8000 mm · Breathability: 4000g/m<sup>2</sup> · Windproof · Dirt repellent · Outer fabric: F120, 80% PES / 20% PU, 210g/m<sup>2</sup> · Fixed lining: 100% PES, 55g/m<sup>2</sup> / 100% PES-net, 60g/m<sup>2</sup>.

**HV-RED/BLACK** 122025-120-H4Z9  
**SIZE:** S-3XL (Size chart: A)













Our Multi Hazard clothing range goes under the category of Multi Norm category, because of its multiple certifications that not only protect you against the elements, but is also flame retardant, antistatic and breathable.

This is for you who either work as a transporter, welder, (windmill) technician or any type of contractor.

# MULTI HAZARD





MULTI HAZARD TEXTILE  
BY VIKING RUBBER CO.





# MULTI HAZARD TEXTILE

EN 1149-5  
EN ISO 11612 A1, B1, C1, E2, F1  
IEC 61482-2 1 (4KA)  
EN ISO 11611 1 A1



## FLAME RETARDANT COLLECTION

Do you work as a welder we recommend you to take a look at our Multi Hazard Textile, which we developed for and with people who work with sparks. Traditional welding clothes are produced from 100% cotton, that in contact with sparks make holes in the workwear when washed. Our Multi Hazard Textile are made of 65% Cotton, 34% Polyester and 1% Negastat that will extend the life expectancy of your Viking Rubber workwear, because when the workwear get in contact with sparks, the fabric combination will stop the clothes from tearing apart by melting the edges together.



### FR JACKET

Shaped sleeves · Chest pockets · Front pockets · Inside pocket · Elastic cuffs · 3M® reflex on shoulders and sleeves · Extra length at the back · Outer fabric: 65% CO / 34% PES / 1% Antistat, 350g/m².

**NAVY BLUE/ORANGE** 411053-492-R6M3  
**SIZE** S-3XL



### FR TROUSERS

Front pockets · Back pockets · Thigh pocket · Ruler pocket · Knee pockets · Elastic waistband · 3M® reflex · Outer fabric: 65% CO / 34% PES / 1% Antistat, 350g/m².

**NAVY BLUE/ORANGE** 422063-492-M3R6  
**SIZE** 44+ - 62+



### FR BIB TROUSERS

Adjustable knee pockets · Fix-Lock® suspenders · Front pockets · Back pockets · Chest pocket with pen holder · Ruler pocket · Thigh pocket · 3M® reflex · Outer fabric: 65% CO / 34% PES / 1% Antistat, 350g/m².

**NAVY BLUE/ORANGE** 423032-492-R6M3  
**SIZE** 44+ - 62+



MULTI HAZARD



# MULTI HAZARD +

EN 1149-5  
 EN ISO 20471 2  
 EN ISO 11612 A1, B1, C1  
 IEC 61482-2 1(4KA)  
 EN ISO 11611 1 A1  
 EN 343 3:3  
 EN 13034 TYPE 6



# MULTI NORM COLLECTION

If you want maximum protection from both the elements and for instance from arcing – choose Multi Hazard + to feel completely safe. The protection against the elements is backed up by a 9000 mm water column which keeps you safe from water penetration.

The Multi Hazard + is usually used by installation contractors and technicians who work with high voltage and is, apart from the other Multi Hazard products, arc flash protected.

The jackets reach a EN ISO 20471 class 2 and the trousers reach a class 1. Worn together the combination reach a class 3.



## PARKA MULTI HAZARD +

Adjustable hood · Double storm flap with zipper and hidden buttons · Shaped sleeves · Chest pockets · Front pockets · Sleeve pocket · Loxy® reflex · Adjustable waist · Waterproofness: 9000 mm · Windproof · Outer fabric: Multi Hazard +, 80% CO / 19% PES / 1% Antistat, 290 g/m<sup>2</sup> · Fixed lining: 100% CO FR, 170g/m<sup>2</sup>.

**HV-YELLOW/BLACK** 112103-132-H2Z9  
**SIZE** S-3XL



## PILOT MULTI HAZARD +

Adjustable hood · Double storm flap with zipper and hidden buttons · Shaped sleeves · Chest pockets · Front pockets · Inside pocket · Sleeve pocket · Loxy® reflex · Waterproofness: 9000 mm · Windproof · Outer fabric: Multi Hazard +, 80% CO / 19% PES / 1% Antistat, 290 g/m<sup>2</sup> · Fixed lining: 100% CO FR, 170g/m<sup>2</sup>.

**HV-YELLOW/BLACK** 111113-132-H2Z9  
**SIZE** S-3XL





## BIB TROUSERS MULTI HAZARD +

Adjustable Fix-Lock® braces · Chest pocket · Front pockets · Back pockets · Knee pockets · Thigh pocket · Elastic waistband · Loxy® reflex · Waterproofness: 9000 mm · Windproof · Outer fabric: Multi Hazard +, 80% CO / 19% PES / 1% Antistat, 290 g/m<sup>2</sup> · Fixed lining: 100% CO FR, 170g/m<sup>2</sup>.

**HV-YELLOW/BLACK**  
**SIZE**

123021-132-H2Z9  
S-3XL

**LOXY**



## TROUSERS MULTI HAZARD +

Front pockets · Back pockets · Knee pockets · Thigh pocket · Elastic waistband · Loxy® reflex · Waterproofness: 9000 mm · Windproof · Outer fabric: Multi Hazard +, 80% CO / 19% PES / 1% Antistat, 290 g/m<sup>2</sup> · Fixed lining: 100% CO FR, 170g/m<sup>2</sup>.

**HV-YELLOW/BLACK**  
**SIZE**

122027-132-H2Z9  
S-3XL

**LOXY**



MULTI HAZARD



# MULTI HAZARD

EN 343 3:3  
EN 1149-3  
EN ISO 14116

EN 13034  
EN ISO 20471  
EN 342



If you work in the transport industry, where you possibly transport inflammable products or chemicals, you should choose our Multi Hazard, which will protect you from acid and chemicals.

Apart from that, the carbon tread in F101 makes sure to transmit the electricity away from the body to avoid dangerous situations with electric shock.



## JACKET MULTI HAZARD

Detachable adjustable hood · Double storm flap with zipper and hidden buttons · Front pockets · Chest pocket · Napoleon pocket · Storm cuffs · Adjustable waist · Loxy® Reflex · Detachable quilt lining · Waterproofness 4000mm · Breathability: 3000g/m<sup>2</sup> · Windproof · Outer fabric: Multi Hazard, 99% PES / 1% Antistat, 250g/m<sup>2</sup> · Detachable lining: 100% CO FR, 170g/m<sup>2</sup> / 100% PES-vat FR · Fixed lining: 100% CO FR, 170g/m<sup>2</sup>.

**HV-ORANGE/NAVY BLUE** 112134-101-H3R6  
**HV-YELLOW/NAVY BLUE** 112134-101-H2R6  
**SIZE** XS-3XL (Size chart B)



## BIB TROUSERS MULTI HAZARD

Adjustable braces · Front pockets with zipper · Chest pocket · Zipper in full length of the leg · Detachable lining · Loxy® Reflex · Waterproofness: 4000 mm · Breathability: 3000g/m<sup>2</sup> · Windproof · Outer fabric: Multi Hazard, 99% PES / 1% Antistat, 250g/m<sup>2</sup> · Detachable lining: 100% CO FR, 170g/m<sup>2</sup> / 100% PES-vat FR · Fixed lining: 100% CO FR, 170g/m<sup>2</sup>.

**HV-ORANGE/NAVY BLUE** 123022-101-H3R6  
**HV-YELLOW/NAVY BLUE** 123022-101-H2R6  
**SIZE** S-3XL (Size chart B)





MULTI HAZARD









**ZOELLER**®

**ZOE**

The Superior-line is made for the heavy duty industries like harbours, airports, and the maritime industry. It is in general for all of you who work outdoor most of the day. With Superior you get durable workwear that is comfortable, waterproof and breathable, which allow you to use it in all kinds of weather. In addition to this we have lined some of the pockets to keep your hands warm for colder days.

It is designed with prism reflectors that reflect up to 70% of the light to make sure that you are fully protected and visible when working - day and night.

A defining characteristic of our Viking Rubber Superior-line is the fabric we use for production; F120 which is ranked alongside the best fabrics on the market.

Haven't you heard about F120 yet, please read more in Technical Information p. 69.

**SUPERIOR**





Reflexite®

F120



Reflexite®

F120

## BOMBER JACKET SUPERIOR 3 IN 1

Detachable adjustable winter hood · Detachable winter collar · Detachable sleeves · Double storm flap with velcro and zipper · Chest pockets · Cell phone pocket with headphone output · Front pockets with D-ring with fleece lining · Reflexite® Reflex · Detachable quilt jacket · Fully taped · Waterproofness 8000 mm · Breathability 4000g/m<sup>2</sup> · Windproof · Dirt repellent · Outer fabric: F120, 80% PES / 20% PU, 210g/m<sup>2</sup> · Fixed lining: 100% PES 55g/m<sup>2</sup> / 100% PES-net 60g/m<sup>2</sup> · Detachable lining: 100% PES rib-stop 70g/m<sup>2</sup> / 100% PES-vat 100g/m<sup>2</sup> / 100% PES 55g/m<sup>2</sup>.

**HV-YELLOW**  
**HV-ORANGE**  
**SIZE**

111035-120-H2  
111035-120-H3  
XS-3XL (Size chart: B)

## PARKA JACKET SUPERIOR 3 IN 1

Detachable adjustable winter hood · Detachable winter collar · Double storm flap with velcro and zipper · Chest pockets · Cell phone pocket with headphone output · Side pockets with D-ring, fleeceLining · Detachable quilt jacket · Ventilation under the arms with water repellent zipper · Reflexite® Reflex · Fully taped · Waterproofness: 8000 mm · Breathability: 4000g/m<sup>2</sup> · Windproof · Dirt repellent · Outer fabric: F120, 80% PES / 20% PU, 210g/m<sup>2</sup> · Fixed lining: 100% PES 55g/m<sup>2</sup> / 100% PES-net 60g/m<sup>2</sup> · Detachable lining: 100% PES rib-stop 70g/m<sup>2</sup> / 100% PES-vat 100g/m<sup>2</sup> / 100% PES 55g/m<sup>2</sup>.

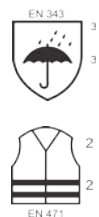
**HV-YELLOW**  
**HV-ORANGE**  
**SIZE**

112047-120-H2  
112047-120-H3  
XS-3XL (Size chart: B)



Reflexite®

F120



Reflexite®

F120

## TROUSERS SUPERIOR

Thigh pocket · Front pockets with zipper · Ruler pocket · Zipper in leg · Lining · Reflexite® Reflex · Waterproofness: 8000 mm · Breathability: 4000 g/m<sup>2</sup> · Windproof · Dirt repellent · Outer fabric: Outer fabric: F120, 80% PES / 20% PU, 210g/m<sup>2</sup> · Fixed lining: 100% PES 55g/m<sup>2</sup> / 100% PES-net 60g/m<sup>2</sup>.

**HV-YELLOW**  
**HV-ORANGE**  
**SIZE**

122015-120-H2  
122015-120-H3  
S-3XL (Size chart: B)

## SLEEVELESS BOILER SUIT

Chest pocket with flap · Two side pockets · Elastic waist band · Leg length zipper · Detachable quilt lining in legs · Fully taped legs · Waterproof · Breathable · 8000 mm water proof · 4000g/m<sup>2</sup> breathable · Windproof · Outer fabric: VTX Comfort+ 80% PES / 20% PU 210g/m<sup>2</sup> · Detachable lining: 100% PES rib-stop 70g/m<sup>2</sup> / 100% PES-vat 100g/m<sup>2</sup> / 100% PES 55g/m<sup>2</sup>.

**HV-ORANGE**  
**SIZE:**

132005-120-H3  
S-3XL (Size chart: B)



SUPERIOR





Reflexite®

F120

## PARKA JACKET SUPERIOR 3 IN 1

Detachable adjustable winter hood · Detachable winter collar · Double storm flap with velcro and zipper · Chest pockets · Cell phone pocket with headphone output · Side pockets with D-ring, fleece lining · Detachable Quilt jacket · Ventilation under the arms with water repellent zipper · Cordura® reinforcement on sleeves and shoulders · Reflexite® Reflex · Fully taped · Waterproofness: 8000mm · Breathability: 4000g/m<sup>2</sup> · Windproof · Dirt repellent · Outer fabric: F120, 80% PES / 20% PU, 210g/m<sup>2</sup> · Fixed lining: 100%

PES 55g/m<sup>2</sup> / 100% PES-net 60g/m<sup>2</sup> · Detachable lining: 100% PES rib-stop 70g/m<sup>2</sup> / 100% PES-vat 100g/m<sup>2</sup> / 100% PES 55g/m<sup>2</sup>.

**HV-YELLOW/BLACK**  
**HV-ORANGE/NAVY BLUE**  
**HV-RED/BLACK**  
**SIZE**

112043-120-H2Z9  
 112043-120-H3P6  
 112043-120-H4Z9  
 XS-3XL (Size chart: B)



Reflexite®

F120

## BOMBER JACKET SUPERIOR 3 IN 1

Detachable adjustable winter hood · Detachable winter collar · Double storm flap with velcro and zipper · Detachable sleeves · Chest pockets · Cell phone pocket with headphone output · Front pockets with D-ring with fleece lining · Reflexite® Reflex · Detachable quilt jacket · Fully taped · Waterproofness: 8000 mm · Breathability: 4000g/m<sup>2</sup> · Windproof · Cordura® reinforcement · Dirt repellent · Outer fabric: F120, 80% PES / 20% PU, 210g/m<sup>2</sup> · Fixed lining:

100% PES 55g/m<sup>2</sup> / 100% PES-net 60g/m<sup>2</sup> · Detachable lining: 100% PES rib-stop 70g/m<sup>2</sup> / 100% PES-vat 100g/m<sup>2</sup> / 100% PES 55g/m<sup>2</sup>.

**HV-ORANGE/NAVY BLUE**  
**HV-YELLOW/BLACK**  
**HV-RED/BLACK**  
**SIZE**

111029-120-H3P6  
 111029-120-H2Z9  
 111029-120-H4Z9  
 XS-3XL (Size chart: B)



3M Scotchlite®  
Reflective Material

F119

## SOFTSHELL JACKET SUPERIOR

Detachable adjustable hood · Front pockets with zipper · Inside pocket · Water repellent zippers · 3M® Reflex · Ventilation under the arms · Elastic at the bottom · Water repellent · Breathability: 3000g/m² · Windproof · Outer fabric: F119 Softshell, 100% PES, 320g/m².

**HV-YELLOW**  
**HV-ORANGE**  
**SIZE**

111031-119-H2Z9  
111031-119-H3Z9  
XS-3XL (Size chart: B)



CORDURA  
FABRIC

Reflexite®

F120

## BIB TROUSERS SUPERIOR

Adjustable braces with Fix-Lock® suspenders · Chest pocket · Inside chest pocket · Long zipper in the leg · Reinforcement on knee and seat · Elastic waistband · Detachable quilt lining · Reflexite® Reflex · Fully taped · Cordura® reinforcement · Waterproofness: 8000mm · Breathability: 4000g/m² · Windproof · Dirt repellent · Outer fabric: F120, 80% PES / 20% PU, 210g/m² · Fixed lining: 100% PES 55g/m² / 100% PES-net 60g/m² · Detachable lining: 100% PES rib-stop 70g/m² / 100% PES-vat 100g/m² / 100% PES 55g/m².

**HV-ORANGE/NAVY BLUE**  
**HV-YELLOW/BLACK**  
**SIZE**

123011-120-H3R6  
123011-120-H2Z9  
S-3XL (Size chart: B)



SUPERIOR







F120

## PARKA SUPERIOR 3 IN 1

Detachable adjustable winter hood · Detachable winter collar · Double storm flap with velcro and zipper · Chest pockets · Cell phone pocket with headphone output · Side pockets with D-ring, fleece lining · Detachable quilt jacket · Ventilation under the arms with water repellent zipper · Cordura® reinforcement on sleeves and shoulders · Fully taped · Waterproofness: 8000 mm · Breathability: 4000g/m<sup>2</sup> · Windproof · Dirt repellent · Outer fabric: F120, 80% PES

/ 20% PU, 210g/m<sup>2</sup> · Fixed lining: 100% PES 55g/m<sup>2</sup> / 100% PES-net 60g/m<sup>2</sup> · Detachable lining: 100% PES rib-stop 70g/m<sup>2</sup> / 100% PES-vat 100g/m<sup>2</sup> / 100% PES 55g/m<sup>2</sup>.

**NAVY BLUE**  
**ANTHRACITE/BLACK**  
**SIZE**

112048-120-R6P6  
112048-120-V8Z9  
XS-3XL (Size chart: B)



F120

## TROUSERS SUPERIOR

Thigh pocket · Folding ruler pocket · Zipper in the leg · Polyester lining · Fully taped · 8000 mm waterproof · 4000g/m<sup>2</sup> breathable · Windproof · Dirt repellent · Outer fabric: F120, 80% PES / 20% PU, 210g/m<sup>2</sup> · Fixed lining: 1100 % PES, 55g/m<sup>2</sup>.

**NAVY BLUE**  
**ANTHRACITE/BLACK**  
**SIZE**

122014-120-R6  
122014-120-V8Z9  
S-3XL (Size chart: B)





F119

## SOFTSHELL JACKET SUPERIOR

Detachable adjustable hood · Front pockets with zipper · Inside pocket · Water repellent zippers · Ventilation under the arms · Elastic at the bottom · Water repellent · Breathability: 3000g/m<sup>2</sup> · Windproof · Outer fabric: F119 (Softshell), 100% PES, 320g/m<sup>2</sup>.

**NAVY BLUE  
BLACK  
SIZE**

111030-119-R6  
111030-119-Z9  
XS-3XL (Size chart: B)



F120

## BOMBER JACKET SUPERIOR 3 IN 1

Detachable adjustable winter hood · Detachable winter collar · Detachable sleeves · Double storm flap with velcro and zipper · Chest pockets · Cell phone pocket with headphone output · Front pockets with D-ring with fleece lining · Detachable quilt jacket · Fully taped · Waterproofness 8000mm · Breathability 4000g/m<sup>2</sup> · Windproof · Dirt repellent · Outer fabric: Outer fabric: F120, 80% PES / 20%

PU, 210g/m<sup>2</sup> · Fixed lining: 100% PES 55g/m<sup>2</sup> / 100% PES-net 60g/m<sup>2</sup> · Detachable lining: 100% PES rib-stop 70g/m<sup>2</sup> / 100% PES-vat 100g/m<sup>2</sup> / 100% PES 55g/m<sup>2</sup>.

**ANTHRACITE/BLACK  
SIZE**

111036-120-V8Z9  
XS-3XL (Size chart: B)





SUPERIOR









We welcome you to the roots of Viking Rubber Company. On the following pages you'll see our improved designs of what ages ago turned out to be the foundation of our company - our rainwear.

The clothing are water-and windproof and are made of consistent quality. We produce both rainwear for those of you who want heavy and rigid clothes, but we also produce rainwear for you who want light and soft clothes as well.

All our rainwear are double welded in the critical areas. This method is part of making your Viking Rubber Rainwear an efficient protection against the elements - something you will benefit from whether you are a serious industrial fisherman, angler or carpenter with a need for a simple rain jacket.

# RAINWEAR





## SMOCK STANDARD

Wide hood with draw cord · Button closing storm flap at neck · Windcuffs at sleeves · Strong quality · Double welded in critical areas · Waterproof · Outer fabric: 70% PVC / 30% CO · 640g/m<sup>2</sup>.

**DARK GREEN** 213023-200-R5  
**ORANGE** 213023-200-M3  
**SIZE** S-3XL (Size chart: B)



## BIB TROUSERS STANDARD

Adjustable braces with Fix-Lock® suspenders · Adjustable waist with buttons · Strong quality · Double welded in critical areas · Waterproof · Outer fabric: 70% PVC / 30% CO, 640g/m<sup>2</sup>.

**DARK GREEN** 223025-200-R5  
**ORANGE** 223025-200-M3  
**SIZE** S-3XL (Size chart: B)



## RAIN JACKET STANDARD

Wide hood with draw cord · Storm cuffs · Double storm flap with hidden buttons · Strong quality · Double welded in critical areas · Waterproof · Outer fabric: 70% PVC / 30% CO, 640g/m<sup>2</sup>.

**DARK GREEN** 212026-200-R5  
**ORANGE** 212026-200-M3  
**SIZE** S-3XL (Size chart: B)



## RAIN JACKET POPULAR

Hood with draw cord · Storm cuffs · Button closing double storm flap in front · Double welded · Outer fabric: 91% PVC / 9% PES 340g/m<sup>2</sup>.

**DARK GREEN** 212005-201-R5  
**HV-ORANGE** 212005-201-H3  
**SIZE** S-3XL (Size chart: B)



## RAIN JACKET BUDGET

Wide hood with draw cord · Storm cuffs · Double storm flap with hidden zipper · Double welded in critical areas · Waterproof · Outer fabric: 80% PVC / 20% PES, 520g/m<sup>2</sup>.

**DARK GREEN** 212006-202-R5  
**HV-ORANGE** 212006-202-H3  
**SIZE** S-3XL (Size chart: B)



## BIB TROUSERS POPULAR

Adjustable braces · Adjustable waist with buttons · Double welded in critical areas · Waterproof · Outer fabric: 91% PVC / 9% PES 340g/m<sup>2</sup>.

**DARK GREEN** 223005-201-R5  
**HV-ORANGE** 223005-201-H3  
**SIZE** S-3XL (Size chart: B)



## BIB TROUSERS BUDGET

Adjustable braces with Fix-Lock® suspenders · Adjustable waist with buttons · Double welded in critical areas · Waterproof · Outer fabric: 80% PVC / 20% PES, 520g/m<sup>2</sup>.

**DARK GREEN** 223004-202-R5  
**HV-ORANGE** 223004-202-H3  
**SIZE** S-3XL (Size chart: B)





## RAIN JACKET FLEX

Hood with draw cord · Storm cuffs · Storm flap with velcro and zipper · Front pockets · Welded seams · Waterproof · Outer fabric: 67% PVC / 33% PES, 360g/m<sup>2</sup>.

**DARK GREEN** 212014-203-R5  
**SIZE** XS-3XL (Size chart: B)



## BIB TROUSERS FLEX

Bib and adjustable elastic braces · Adjustable waist with buttons · welded seams · Waterproof · Outer fabric: 67% PVC / 33% PES, 360g/m<sup>2</sup>.

**DARK GREEN** 223004-203-R5  
**SIZE** S-3XL (Size chart: B)



## TROUSERS FLEX

Elastic waistband · Welded seams · Waterproof · Outer fabric: 67% PVC / 33% PES, 360g/m<sup>2</sup>.

**DARK GREEN** 222000-203-R5  
**SIZE** S-3XL (Size chart: B)



## SMOCK PRIMEUR

Hood with draw cord · Button closing storm flap at neck · Windcuffs on the sleeves · Double welded in critical areas · Waterproof · Outer fabric: 70% PVC / 30% CO, 630g/m<sup>2</sup> .

**HV-ORANGE** 213023-209-H3  
**SIZE** S-3XL (Size chart: B)



Reflexite®

## REINFORCED SMOCK

Hood with draw cord · Button closing storm flap at neck · Reflex at shoulders · Reinforcement in front and at sleeves · Double welded in critical areas · Waterproof · Reinforcement: PVC 700g/m<sup>2</sup> · Outer fabric: 70% PVC / 30% CO, 630g/m<sup>2</sup> .

**HV-ORANGE/BLACK** 213011-209-H3Z9  
**SIZE** S-3XL (Size chart: B)



## BIB TROUSERS PRIMEUR

Bib and braces · Uniform cut front and back makes the bib trousers reversible · Double welded in critical areas · Waterproof · Outer fabric: 70% PVC / 30% CO, 630g/m<sup>2</sup> .

**HV-ORANGE** 223026-209-H3  
**SIZE** S-3XL (Size chart: B)



## REINFORCED BIB TROUSERS

Detachable adjustable braces with Fix-Lock® suspenders · Reinforcement in the full length of the leg · Double welded in critical areas · Reinforcement at hem · Reinforcement: PVC 700g/m<sup>2</sup> · Waterproof · Outer fabric: 70% PVC / 30% CO, 640g/m<sup>2</sup> .

**HV-ORANGE** 223011-209-H3Z9  
**SIZE** S-3XL (Size chart: B)





YSL reflective materials

## RAINWEAR SAFE JACKET

Two outside pockets · Fixed hood with draw cord · Ventilation in the back and under the arms · Windcuffs at wrist · Overlap fastening with hidden zip closure and press buttons · Draw string at button. · Outer fabric: 20% PU/80% PES, 180g/m<sup>2</sup>.

**HV-YELLOW**  
**HV-ORANGE**  
**SIZE**

312005-302-H2  
312005-302-H3  
S-3XL (Size chart: B)



YSL reflective materials

## RAINWEAR SAFE TROUSERS

Elastic waistband · Adjustable with buttons at ankle · Outer fabric: 20% PU/80% PES, 180g/m<sup>2</sup>.

**HV-YELLOW**  
**HV-ORANGE**  
**SIZE**

322005-302-H2  
322005-302-H3  
S-3XL (Size chart: B)



YSL reflective materials

## RAINWEAR SAFE BIB TROUSERS

Adjustable bibs and braces · adjustable with buttons at ankle · Outer fabric: 20% PU/80% PES, 180g/m<sup>2</sup>.

**HV-YELLOW**  
**HV-ORANGE**  
**SIZE**

323005-302-H2  
323005-302-H3  
S-3XL (Size chart: B)



## BOILER SUIT

This green boiler suit is for the chemical industry where it pays off to be well protected and prepared for handling chemicals. The suit protects you both against liquid chemicals, water penetration, arching and electric shocks.

The suit is mainly used by people who deal with heavy fuel tanks and by refinery technicians.



## BOILER SUIT

Hood with draw cord · For work with chemicals · Storm flap with velcro and zipper · Welded seams · Outer fabric: 72% PVC / 28% PES, 340g/m<sup>2</sup>.

**CHEMICAL GREEN  
SIZE**

231000-206-K5  
S-3XL (Size chart: B)







## CLASSIC SOU'WESTER

Stitched ribbon · Waterproof ·  
Outer fabric: 67% PVC / 33% PES, 340g/m<sup>2</sup>

<b>HV-ORANGE</b>	251000-203-H3
<b>ANTRACITE</b>	251000-203-V8
<b>GREEN</b>	251000-203-R5
<b>SIZE</b>	S-2XL



## PROTECTIVE SLEEVES FLEX

Elastic at upper arm · Neoprene cuff · Waterproof ·  
Outer fabric: 67% PVC/33% PES, 360g/m<sup>2</sup>.

<b>DARK GREEN</b>	274000-203-R5
<b>SIZE</b>	Onesize



## APRON FLEX

Logobraces with Fix-Lock® suspenders ·  
Outer fabric: 67% PVC/33% PES, 360g/m<sup>2</sup>.

<b>DARK GREEN</b>	261001-203-R5
<b>SIZE</b>	Onesize



RAINWEAR





## NEOPREN WADERS

Rubberboot with neopren in the foot · Knee reinforcement · Pocket inside · Fully taped · Braces with velcro adjustment · 5mm felt soles · Outer fabric: Neopren 5mm.

**GREEN** 841000-5F-R5  
**WITH 5 MM PROFILE SOLES** 841000-5P-R5  
**SIZE** 38/39 - 48/49



## WADERS SPORT

Spacious · Pocket inside · Fix-Lock® suspenders · Waterproof · Outer fabric: PVC/PES 700g/m<sup>2</sup>

**GREEN** 241003-R5  
**SIZE** 39-48



## WAIST WADERS

Elastic waistband · Adjustment in the side with velcro ·  
Waterproof · Outer fabric: PVC/PES 700g/m<sup>2</sup>.

**GREEN** 242000-R5  
**SIZE** 40-47



## HIP BOOTS WADERS

Outer belt loops · Waterproof ·  
Outer fabric: PVC/PES 700g/m<sup>2</sup>

**GREEN** 243000-R5  
**SIZE** 39-48



CTA



ABB

HYUNDAI

HYUNDAI

AMFU 3140463

680

682

5813 9

WEL

WEL

BSU9191728

BSU9191728

GAT







Our range of accessories gives you even more comfort in your workday and workwear – including a belt, a waterproof bag, thermal clothes and our new reversible zip-in jacket with yellow hi-vis on one side and black quilt on the other side. It is made to fit in the EVOSAFE and EVOBASE all weather jacket, and is made to keep you warm on colder days and safe when you need visibility.

# ACCESSORIES





## THERMAL JACKET

Knitting fabric on sleeves and neck · Two chest pockets with zipper · Front zipper · Two side pockets with zipper · Outer fabric: 100% PES Rip-stop 70g/m<sup>2</sup> · Filling: 100% PES-vat 100g/m<sup>2</sup>.

**BLACK** 511004-502-Z9  
**SIZE** S-3XL (Size chart: B)



## THERMAL WAIST COAT

Knitting fabric in collar · Two chest pockets with zipper · Front zipper · Two side pockets with zipper · Outer fabric: 100% PES Rip-stop 70g/m<sup>2</sup> · Filling: 100% PES-vat 100g/m<sup>2</sup>.

**BLACK** 518001-502-Z9  
**SIZE** S-3XL (Size chart: B)



## VIKING BELT

Canvas belt · Strong quality · Adjustable metal buckle · Can be shortened · Total length: 120 cm · Outer fabric: 74% PES / 26%PP.

**BLACK** 999001-Z9  
**SIZE** Onesize



## THERMAL TROUSERS

Elastic waist band · Adjustable waist with press button · Fly with zipper · Knitting ends on legs · Outer fabric: 100% PES Rip-stop 70g/m<sup>2</sup> · Filling: 100% PES-vat 100g/m<sup>2</sup>.

Black 522000-502-Z9  
Size S-3XL (Size chart: B)



## MICRO FLEECE UNDERWEAR

Functional with high comfort · Contains long sleeve pulli with zipper and long trousers · Knitting ends on legs · Moisture transport treatment · Outer fabric: 100% PES 165g/m<sup>2</sup>.

**BLACK** 699000-604-Z9  
**SIZE** XS-3XL (Size chart: B)



## WATERPROOF BAG

Waterproof zipper and top roll system · Reinforced carry handles · Measurements: 41 x 62 x 73 cm · Outer fabric: 90% PVC / 10% PES, 700g/m<sup>2</sup>.

**BLACK** 991005-213-Z9  
**SIZE** 90L







**FITS INTO  
ALL WEATHER  
JACKETS.  
EVDBASE: 112131-126  
(P.20) AND EVOSAFE:  
112132-120  
(P.23)**



YSL **VizLite**  
reflective materials

## ZIP IN REVERSIBLE JACKET


Reversible zip-in jacket · Black or hi-vis yellow · Form fitted sleeves · Double sided pockets · High collar · Vertical quilting · Breast pocket · Elastic hems of the jacket · Regular fit · Extra back length · Windproof · Vizlite reflex · Fits into All Weather Jacket 112132-120 and 112131-126 · Fabric: 100 PEC, 160/m<sup>2</sup>/100% PES-wadding, 100g/m<sup>2</sup>.

**BLACK/HV- YELLOW  
SIZE**

511012-520-Z9H2  
S - 3XL  
(Size chart A)







On the following pages you will find our colors, signs of quality,  
conditions and Viking Rubber Co. ID measurements.

# **TECHNICAL INFORMATION**



## COLORS | EN471 / EN20471



HV-YELLOW



HV-ORANGE



HV-RED



NAVY BLUE



BLACK

## COLORS | INDUSTRY / CRAFT



GREY



ANTHRACITE



NAVY BLUE



HV-ORANGE



BLACK



RED



GOLDEN BROWN



NAVY



OLIVE GREEN



GREY MELANGÉ



BLUE MELANGÉ



BORDEAUX RED



SAND



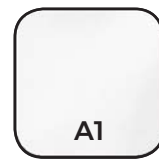
ROYAL BLUE



DARK GREY



GREEN



WHITE

## COLORS | FISHING



YELLOW



ORANGE



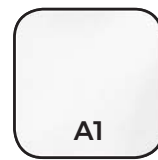
CHEMICAL GREEN



GREEN



HV-ORANGE



WHITE



GREY



BLACK



NAVY BLUE



OLIVE GREEN



GREY BEIGE

# SIGNS OF QUALITY

F120

## F120 COMFORT+

F120 Comfort+ guarantees waterproof, breathable and durable products which ensure the user a high degree of comfort under all weather conditions. F120 Comfort+ is the best alternative when you want a technical product with great properties. The exterior material is polyester with a hydrophilic PU membrane. The surface of the material has been treated with fluocarbon to improve its water and dirt-resistant properties. Previously known as VTX Comfort +.

F119

## F119 SOFTSHELL

F119 Softshell is a high comfort fabric which enables a light and athletic cut. F119 Softshell products are waterproof, windproof and breathable with fleece inside which provides the user with comfortable and warm clothing under all conditions.



## CORDURA®

CORDURA® stands for maximum durability, lightweight strength and has modern aesthetics and comfort. CORDURA® is a high-performance fabric resistant to abrasions, tears and scuffs. CORDURA® is 2 times more durable than standard nylon / 3 times more durable than polyester / 10 times more durable than cotton. CORDURA® is a registered trademark of INVISTA for durable fabric.



## GORE-TEX®

GORE-TEX®, the fabric is durable, water- and windproof combined with optimized breathability. GORE-TEX® fabric provides a sustainable water resistance under rough conditions.



## 3M SCOTCHLITE®

Scotchlite® from 3M is recommended for clothing which will be exposed to large amounts of dirt and which has to be able to endure chemical cleaning.



## ORAFOL®

ORAFOL® is a good solution in daylight, in darkness and under bad weather conditions or when the logo or business colours are to be printed on the reflective material.



## LOXY®

LOXY® is a reflex, that has a high durability and is made for industrial wash.

# CONDITIONS OF SALE

<b>Model changes</b>	We reserve the right to make model alterations when it is made with same or better quality.
<b>Colour reproduction</b>	The colour reproduction featured in our catalogue is as accurate as the printing allows.
<b>Printing errors</b>	Subject to printing errors.
<b>Advising</b>	We take no responsibility for the advice given by a third party with basis in the catalogue.
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# MAßTABELLE A

## (BODY MEASUREMENTS)

Normal figure / normal height ( Normale Größen ) :

Size	42	44	46	48	50	52	54	56	58	60	62	64	66	68
Chest width	84	88	92	96	100	104	108	112	116	120	124	128	132	136
Waist width (trousers)	76	80	84	88	92	96	100	104	108	112	116	120	124	128
Hip width	88	92	96	100	104	108	112	116	120	124	128	132	136	140
Inside leg length	77	78	79	80	81	82	82	83	83	84	84	85	85	86
Body height	168 - 176				176 - 184				184 - 192					

Slim figure / tall ( Schlanke Größen ) :

Size		86	90	94	98	102	106	110	114	118	122			
Chest width		86	90	94	98	102	106	110	114	118	122			
Waist width (trousers)		78	82	86	90	94	98	102	106	110	114			
Hip width		90	94	98	102	106	110	114	118	122	126			
Inside leg length		82	83	84	85	86	86	87	87	88	88			
Body height		176 - 184				184 - 192				192 - 200				

Portly figure / short ( Untersetze Größen ) :

Size		22	23	24	25	26	27	28	29	30	31	32	33	
Chest width		88	92	96	100	104	108	112	116	120	124	128	132	
Waist width (trousers)		84	88	92	96	100	104	108	112	116	120	124	128	
Hip width		93	97	101	105	109	113	117	121	125	129	133	137	
Inside leg length		74	75	76	77	78	78	79	79	80	80	81	81	
Body height		160 - 168				168 - 176				176 - 184				

Size conversion

JACKETS, BOILERSUITS, COMBITROUSERS

DE sizes - Normale	42	44	46	48	50	52	54	56	58	60	62	64	66	68
* DE sizes - Schlanke		86	90	94	98	102	106	110	114	118	122			
* DE sizes - Untersetze		22	23	24	25	26	27	28	29	30	31			
CH size	42	44	46	48	50	52	54	56	58	60	62	64	66	68
SE sizes - Normale		C 44	C 46	C 48	C 50	C 52	C 54	C 56	C 58	C 60	C 62	C 64		
**SE sizes - Slim/tall		B144	B146	B148	B150	B152	B154	B156	B158	B160	B162	B164		
**SE sizes - Portly/short		D88	D92	D96	D100	D104	D108	D112	D116	D120	D124	D128		
UK size		31.5"	33"	34.5"	36"	38"	39.5"	41"	42.5"	44"	45.5"	47"		
ES size		46	48	50	52	54	56	58	60	62	64	66		
FR size		40	42	44	46	48	50	52	54	56	58	60		
UNISEX		XS	S	M	L	XL	2XL	3XL						

\* Schlanke / Untersetze = +/- 3 cm in back and sleeve length. Waist width - 2cm / + 4 cm. Body height +/- 8 cm

\*\* Slim,tall / Portly, short = +/- 3 cm in back and sleeve length. Waist width - 2cm / + 4 cm. Body height +/- 8 cm

Size conversion

TROUSERS, BIBTROUSERS

DE sizes - Normale	42	44	46	48	50	52	54	56	58	60	62	64	66	68
* DE sizes - Schlanke		86	90	94	98	102	106	110	114	118	122			
* DE sizes - Untersetze		22	23	24	25	26	27	28	29	30	31			
CH size	42	44	46	48	50	52	54	56	58	60	62	64	66	68
SE sizes - Normale		C 44	C 46	C 48	C 50	C 52	C 54	C 56	C 58	C 60	C 62	C 64		
**SE sizes - Slim/tall		B144	B146	B148	B150	B152	B154	B156	B158	B160	B162	B164		
**SE sizes - Portly/short		D88	D92	D96	D100	D104	D108	D112	D116	D120	D124	D128		
UK size		31.5"	33"	34.5"	36"	38"	39.5"	41"	42.5"	44"	45.5"	47"		
ES size		38	40	42	44	46	48	50	52	54	56	58		
FR size		40	42	44	46	48	50	52	54	56	58	60		
UNISEX		XS	S	M	L	XL	2XL	3XL						

\* Schlanke / Untersetze = +/- 4 cm inside leg length. Waist width - 2 cm / + 4 cm. Body height +/- 8 cm.

\*\* Slim,tall / Portly, short = +/- 4 cm inside leg length. Waist width - 2 cm / + 4 cm. Body height +/- 8 cm.

# MAßTABELLE B (BODY MEASUREMENTS)

## Normal figure / normal height ( Normale Größen ) :

Size	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72
Chest width	80	84	88	92	96	100	104	108	112	116	120	124	128	132	136	140	142
Waist width (trousers)	74	78	82	86	90	94	98	102	106	110	114	118	122	126	130	134	138
Hip width	84	88	92	96	100	104	108	112	116	120	124	128	132	136	140	144	148
Inside leg length																	

## Slim figure / tall ( Schlanke Größen ) :

Size			90	94	98	102	106	110	114	118	122						
Chest width			88	92	96	100	104	108	112	116	120						
Waist width (trousers)			82	86	90	94	98	102	106	110	114						
Hip width			92	96	100	104	108	112	116	120	124						
Inside leg length																	

## Portly figure / short ( Untersetzte Größen ) :

Size			22	23	24	25	26	27	28	29	30						
Chest width			88	92	96	100	104	108	112	116	120						
Waist width (trousers)			82	86	90	94	98	102	106	110	114						
Hip width			92	96	100	104	108	112	116	120	124						
Inside leg length																	

## Size conversion

### JACKETS, BOILERSUITS, COMBITROUSERS

DE sizes - Normale	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72
* DE sizes - Schlanke			90	94	98	102	106	110	114	118	122						
* DE sizes - Untersetzte			22	23	24	25	26	27	28	29	30						
CH size	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72
UK size			31,5"	33"	34,5"	36"	38"	39,5"	41"	42,5"	44"	45,5"	47"				
ES size			46	48	50	52	54	56	58	60	62	64	66				
FR size			40	42	44	46	48	50	52	54	56	58	60				
UNISEX	XXS	XS	S	M	L	XL	2XL	3XL	4XL								

\* Slim,tall / Portly, short = +/- 4 cm in back and sleeve length,

## Size conversion

### TROUSERS, BIBTROUSERS

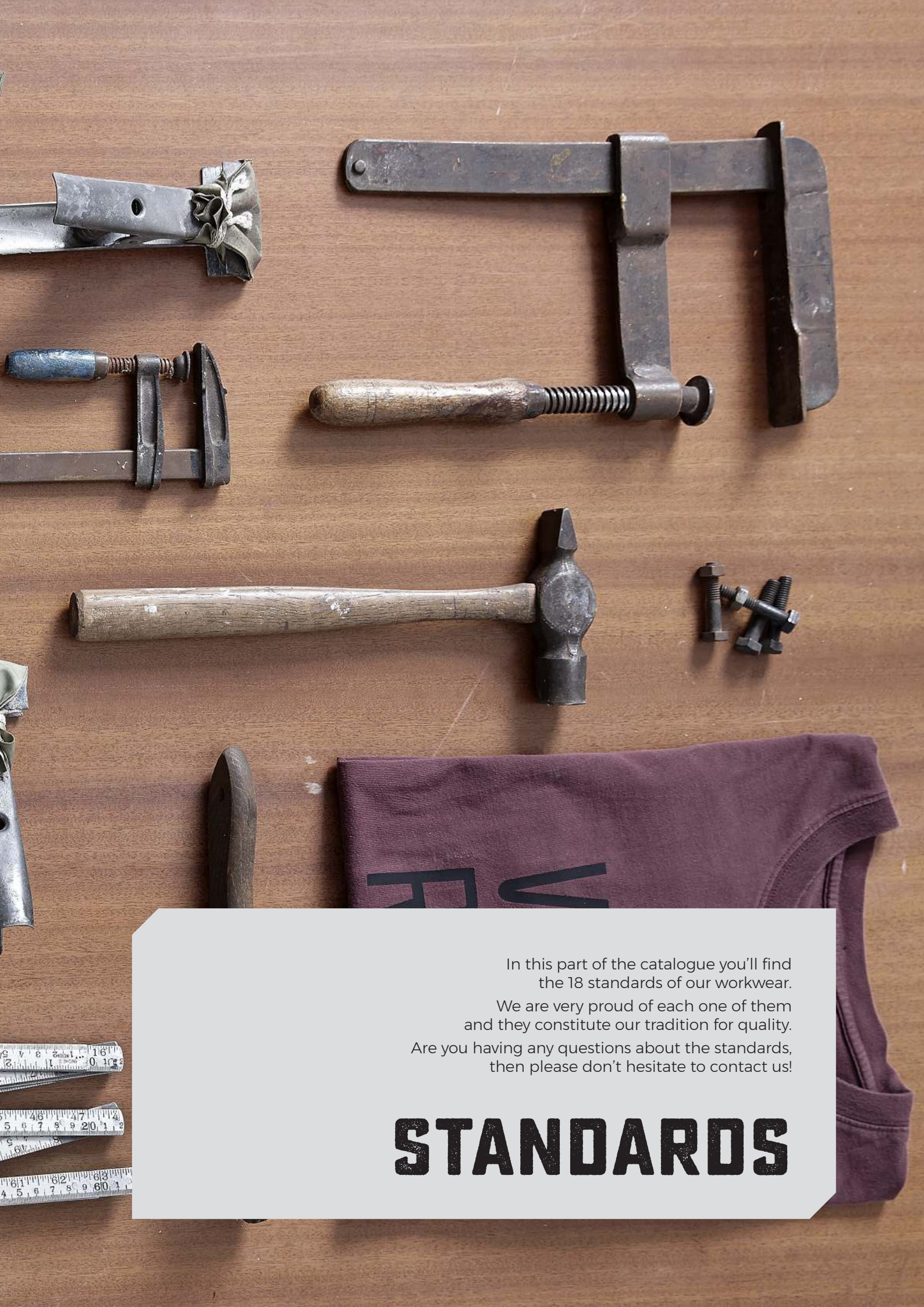
DE sizes - Normale	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72
* DE sizes - Schlanke			90	94	98	102	106	110	114	118	122						
* DE sizes - Untersetzte			22	23	24	25	26	27	28	29	30						
CH size	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72
UK size			31,5"	33"	34,5"	36"	38"	39,5"	41"	42,5"	44"	45,5"	47"				
ES size			38	40	42	44	46	48	50	52	54	56	58				
FR size			40	42	44	46	48	50	52	54	56	58	60				
UNISEX	XXS	XS	S	M	L	XL	2XL	3XL	4XL								

\* Slim,tall / Portly, short = +/- 4 cm inside leg length,









In this part of the catalogue you'll find  
the 18 standards of our workwear.

We are very proud of each one of them  
and they constitute our tradition for quality.

Are you having any questions about the standards,  
then please don't hesitate to contact us!

# STANDARDS



# EN 340 - PROTECTIVE CLOTHING

## GENERAL REQUIREMENTS

This European standard specifies the general requirements for protective clothing including requirements for ergonomics, innocuousness, ageing, size, marking as well as the information that has to follow the clothing.

This standard is used as a reference standard together with other standards with specific requirements and can't be used alone.

This standard has been replaced by EN ISO 13688.

# EN ISO 13688 - PROTECTIVE CLOTHING

## GENERAL REQUIREMENTS

This European standard specifies the general requirements for protective clothing including requirements for ergonomics, innocuousness, ageing, size, marking as well as the information that has to follow the clothing.

This standard is used as a reference standard together with other standards with specific requirements and can't be used alone.

This standard replaces DS/EN 340.

# EN 342 - PROTECTIVE CLOTHING

## ENSEMBLES AND GARMENTS FOR PROTECTION AGAINST COLD

This European standard specifies the requirements and test methods for protective clothing that aim to protect against cold (not including garments for head, hands and feet).

The standard includes requirements for the properties of the clothing such as thermal insulation under stationary conditions as well as under movement, air permeability, water vapour resistance and tear strength. A test of water penetration resistance is an option.

Clothing according to this standard is marked with the below pictogram and informs about the level of protection:



- Y(B)/Y(C)/Y(R) Thermal insulation under movement / Icler
- Y(B)/Y(C)/Y(R) Thermal insulation under stationary /Icler
- Y Air permeability class
- Y Resistance to water penetration class (optional)

The first line after EN 342 refer to the level of thermal insulation under movement and is obligatory.

The next line refer to the level of thermal insulation under stationary conditions and is optional

Y(R) is listed if the garment is tested according to and live up to the requirements for single garments.

Y(B) is listed if the garment is tested according to and live up to the requirements for test with underwear.

Y(C) is listed if the garment is tested with underwear specified by the manufacturer and live up to the requirements for test with underwear.

**Table 1 - Classification of air permeability**

AP mm/s	Class
100 > AP	1
5 < AP ≤ 100	2
AP ≤ 5	3

After test of air permeability the garment is classified as either class 1, 2 or 3, where class 3 is the best and class 1 is the lowest, please see table 1..

**Table 2 - Classification of water penetration**

WP Pa	Class
8000 ≤ WP ≤ 13000	1
WP > 13000	2

If the resistance to water penetration is tested the garment receives a classification as either class 1 or 2 where class 2 is the best, please see table 2.

## EN 343 - PROTECTIVE CLOTHING ENSEMBLES AND GARMENTS FOR PROTECTION AGAINST RAIN

This European Standard specifies the requirements and test methods for materials and seams on protective clothing that is used for protection against precipitation (e.g. rain and snowflakes), fog and ground humidity. Materials and seams are tested for water penetration resistance before and after pre-treatment as well as for water vapour resistance.

Protective clothing according to this standard is marked with the pictogram shown below and information about the level of protection.

EN 343



X indicates the level for water penetration resistance. The water penetration resistance is expressed in Wp. There are three classes, class 1, 2 and 3. Please see the table 1 below. Class 3 is the best class, class 1 the lowest.

**Table 1 - Classification of water penetration resistance**

Water penetration resistance Wp	Class		
	1	2	3
Material to be tested:			
- Material before pretreatment	Wp ≥ 8000 Pa	No test required*	No test required*
- Materiale after each pretreatment	No test required*	Wp ≥ 8000 Pa	Wp ≥ 13000 Pa
- Seams before pretreatment	Wp ≥ 8000 Pa	Wp ≥ 8000 Pa	Wp ≥ 13000 Pa
*No test is required because the worst case scenario for class 2 and 3 is after pretreatment			
NOTE: For each class several requirements have to be met.			

Y indicates the level of water vapour resistance. The water vapour resistance is expressed in Ret. There are three classes, class 1, 2 and 3, where 3 is the highest class and 1 the lowest. Please see table 2 below.

**Table 2 - Classification of water vapour resistance**

Water vapour resistance Ret	Class		
	1 <sup>a</sup>	2	3
$\frac{m^2 \cdot Pa}{W}$	Ret above 40	20 < Ret ≤ 40	Ret ≤ 20

Clothing with class 1 should only be worn in a limited period depending on the surrounding temperature.



# EN 467 - PROTECTIVE CLOTHING

## PROTECTION AGAINST LIQUID CHEMICALS

### PERFORMANCE REQUIREMENTS FOR GARMENTS PROVIDING PROTECTION TO PARTS OF THE BODY

This European standard specifies minimum requirements for protective clothing used for partial protection of the body against liquid chemicals. The requirements apply to the properties of the materials used for the garment and not for the finished garment. All the properties tested obtain a class afterwards.

The following properties of the materials are tested:

Property tested	Class
Abrasion resistance	1-6, where 6 is best
Stability to heat (resistance to blocking)	1-2, where 2 is best
Flex cracking resistance	1-5, where 5 is best
Puncture resistance	1-5, where 5 is best
Tear resistance	1-5, where 5 is best
Coating adhesion resistance (test of coated materials only)	1-5, where 5 is best
Resistance to permeation by liquids	1-6, where 6 is best
Seam strength	1-5, where 5 is best

All tests are made after 5 x wash. This standard also specifies requirements for the design of the different kinds of clothing. Protective clothing according to this standard is marked with the below pictogram:

EN 467



This standard has been replaced by EN 14605.

# EN 14605 - PROTECTIVE CLOTHING AGAINST LIQUID CHEMICALS

This standard specifies minimum requirements for the following types of chemical protective suits with limited use and recycling:

- Suit clothing with liquid-tight connections between different clothing parts (Type 3: liquid-tight clothing) and, if applicable with liquid-tight joints for component parts, such as hoods, gloves, boots, visors or respiratory equipment, which can be specified in other European standards (Type 4: spray-tight joints).
- Garments, providing protection to parts of the body (Type PB [3] and PB [4])

In the standard there are placed requirements for material properties and not to the complete clothing. The materials are tested for the following properties:

Property tested	Class
Abrasion	1-6, where 6 is best
Flex cracking	1-6, where 6 is best
Flex cracking -30C	1-6, where 6 is best
Tear	1-6, where 6 is best
Tensile	1-6, where 6 is best
Puncture	1-6, where 6 is best
Resistance to permeation	1-6, where 6 is best

Protective clothing under this standard are labeled with the following pictogram:





# EN 13034 - PROTECTIVE CLOTHING TO USE AGAINST LIQUID CHEMICALS

This standard specifies the test methods and requirements to protective clothing which are intended for use in cases of a potential low-risk exposure, e.g. a light spray, liquid aerosols or low pressure, low volume splashes, against which a complete liquid permeation barrier is not required.

Chemical protective suits (Type 6) forms the lowest level of chemical protection and is intended to be used if risks have been assessed as low and a full liquid permeation barrier is not necessary, i.e. when wearers are able to take timely adequate action when their clothing is contaminated.

All chemical protective clothing materials are tested and classified in accordance with table 1. The construction of seams shall prevent penetration of liquid through stitch holes or through other components of a seam and not obstruct run-off of the liquid.

**Table 1: Performance requirements (EN 14325:2004)**

Tests	Class
Abrasion resistance	1-6, where 6 is best
Tear resistance	1-6, where 6 is best
Tensile strength	1-6, where 6 is best
Puncture resistance	1-6, where 6 is best
Liquid repellency	1-3, where 3 is best
Resistance to penetration by liquids	1-3, where 3 is best

Protective suits that fulfill the requirements of an EN 13034 are marked with the pictogram below.

EN 13034



Following chemicals are tested under EN 13034:

- 30 % aqueous solution of H<sub>2</sub>SO<sub>4</sub>
- 10 % aqueous solution of NaOH
- O-Xylene (undiluted)
- Butan-1-ol (undiluted)

# EN 471 - PROTECTIVE CLOTHING

## HIGH VISIBILITY WARNING CLOTHING FOR PROFESSIONAL USE

This European standard specifies the requirements for high visibility warning clothing which serve to make the wearer visible in daylight as well as in the front light of a car in the dark.

High visibility clothing is divided into three levels according to the level of protection. Each level requires a minimum area of fluorescent material as well as retro reflective material, please see table 1 below. The area is measured on the smallest garment available and the class is determined on the basis of the smallest configuration possible.

**Table 1 - Minimum requirements for the high-visibility materials in m<sup>2</sup>**

	<b>Class 3 - Garments</b>	<b>Class 2 - Garments</b>	<b>Class 1 - Garments</b>
Fluorescent background material	0,80	0,50	0,14
Retroreflective material	0,20	0,13	0,10
Combined performance material	-	-	0,20

The high visibility warning clothing is marked with the pictogram shown below. The determined class is indicated on the right of the pictogram as X and Y:



X indicates the class according to table 1 (please see above). Clothing with class 3 has the highest visibility, clothing with class 1 the lowest.

Y indicates the class for the retro reflective material – class 1 or class 2, where class 2 has the best retro reflective properties.

This standard also specifies requirements for the design of the clothing, such as the placement of the materials. Furthermore the standard specifies requirements for the materials and their properties, such as requirements for colours, luminance factor, colour fastness, mechanical properties, reflective properties etc.

This standard has been replaced by EN ISO 20471.



# EN ISO 20471 - HIGH VISIBILITY CLOTHING

## TEST METHODS AND REQUIREMENTS

This international Standard specifies requirements for high visibility clothing which is capable of visually signaling the user's presence.

High visibility clothing is grouped into three classes related to risk assessment. Garments shall comprise the required areas of background material and retroreflective material or alternatively shall comprise the required area of combined performance material.

The area shall be measured on the smallest garment size available with all fasteners adjusted to the smallest configuration possible.

Each of these classes will provide a different level of conspicuity, class 3 being the class that provides the highest degree of conspicuity against most backgrounds found in urban and rural situations in daylight and night time.

The garment shall be made up of high visibility materials on all sides. To ensure visibility from all sides (360° visibility), it is important that horizontal retroreflective bands and fluorescent materials encircle torso, trouser legs and sleeves.

The performance class can be obtained using a single garment or a clothing ensemble, e.g. jacket and trousers. An assembly e.g. a classified trouser and a classified jacket, can be classified as an higher class if the assembly meets the minimum requirement achieved by the actually visible area when wearing the garment. This higher class shall be additionally specified in both the information for use and on the labels of both garments.

Regardless of the area of materials used, a class 3 garment shall cover the torso and shall have either long sleeves with retro reflective bands or a full length trouser legs with retroreflective bands, it not both.

### Minimum required areas of visible material in m<sup>2</sup>

NOTE: The clothing class is determined by the lowest area of visible material.

	Class 3 -	Class 2 -	Class 1 -
Background material	0,80	0,50	0,14
Retroreflective material	0,20	0,13	0,10
Combined performance material	-	-	0,20

The minimum visible area requirements to achieve a garment classification in accordance with the above table are not to be reduced or compromised due to the presence of any logos, lettering, labels etc.

Classification must be stated by a graphical symbol.



X

The number next to the graphical symbol (x in the figure) indicates the garment class in accordance with the above table.

Besides this the EN ISO 20471 also contains requirements to the constructions of materials such as colour fastness, mechanical strength and retroreflective properties.

This document supersedes EN 471.

# EN 470-1 - PROTECTIVE CLOTHING FOR USE IN WELDING AND ALLIED PROCESSES - GENERAL REQUIREMENTS

This European standard specifies requirements and test methods for protective clothing used during welding and allied processes. Protective clothing according to this standard aim to protect the wearer against small metal splashes, brief flame contact and ultraviolet light. The clothing can be used an entire work day (8 hours) under normal temperatures.

The standard also specifies requirements for the design as well as for the properties of the outer material where tests of the following properties are made: tensile strength, tear strength, dimensional changes, flame spread and resistance to metal splashes..

The tests of the mechanical properties are conducted on new material, test of flame spread as well as resistance to metal splash are conducted on materials that have been washed/cleaned x 5.

Protective clothing according to this standard is marked with the below pictogram:

EN 470-1



This standard has been replaced by EN 11611.



# EN ISO 11611 - PROTECTIVE CLOTHING FOR USE IN WELDING AND ALLIED PROCESSES

This standard describes the test methods as well as the minimum requirements for protective clothing that aim to protect the wearers body during welding and allied processes. The standard does not include protective clothing for hands, head and feet (except hoods and gaiters).

The clothing aim to protect the wearer against molten metal splashes, brief flame contact, radiant heat and accidental contact with voltage up to 100V d.c. in normal conditions of welding.

The clothing is tested for resistance to flame spread, molten metal splashes, heat transfer (radiation) and electrical resistance and is divided into 2 classes after test, class 1 or 2, where class 2 offers the best protection.

The standard is marked with the below diagram and the class achieved:



This standard also includes requirements for innocuousness, design and the mechanical properties such as tensile strength, tear strength, burst strength, seam strength and dimensional change.

This standard replaces EN 470-1.

# EN 531 - PROTECTIVE CLOTHING FOR WORKERS EXPOSED TO HEAT

This European standard specifies requirements and test methods for protective clothing used against heat. The purpose of clothing that complies with the requirements of this standard is to protect against short flame contact and against at least one type of heat comprising convective heat, radiant heat and/or large molten metal splashes.

The standard is marked with the pictogram shown below and inform about the level of protection



A B C D E

Protective clothing according to this standard must pass the test regarding limited flame spread (A) and as a minimum at least one of the other tests of B-E.

A = Limited flame spread including hole formation, flaming or molten debris, after flame time and afterglow time

B= Convective Heat; divided according to test result into class 1-3, where 3 is best.

C= Radiant heat; divided according to the test results into class 1-4, where 4 is best

D= Molten aluminium splash; divided according to the test results into class 1-3, where 3 is best

E= Molten iron splash; dividid according to the test results into class 1-3, where 3 is best.

The standard also features requirements for design.

This standard has been replaced by EN 11612.

# EN ISO 11612 - PROTECTIVE CLOTHING

## CLOTHING TO PROTECT AGAINST HEAT AND FLAME

This European Standard specifies the requirements and test methods for clothing that is intended to protect the wearer against heat and flame.

Clothing according to this standard is marked with the pictogram below:



This standard includes requirements for limited flame spread. Test is made according to procedure A and/or B and the test method used is listed as A1 or A2 together with the pictogram.

Requirements for heat resistance are also part of this standard and the following properties are tested:

Protection against convective heat - the level reached is listed as B1, B2 or B3, where B3 offers the best protection and B1 the lowest

Protection against radiant heat - the level reached is listed as C1, C2, C3 or C4, where C4 offers the best protection and C1 the lowest.

Protection against molten aluminium splashes - the level reached is listed as D1, D2 or D3 offers the best protection and D1 the lowest.

Protection against molten iron splashes - the level reached is listed as E1, E2 or E3, where E3 offers the best protection and E1 the lowest.

Protection against contact heat - the level reached is listed as F1, F2 or F3, where F3 offers the best protection and F1 the lowest.

The protection level of each property is listed together with the pictogram; at least one should be listed.

Besides the above requirements, this standard also comprises requirements for the design, innocuousness, and for the mechanical properties like for instance tear strength. The standard also includes tests of optional properties, for instance test of waterproofness according to EN 343. The result of this test is marked at the pictogram with the letter W followed by the achieved class.

This standard replaces EN 531.

# EN 533 - PROTECTIVE CLOTHING

## PROTECTION AGAINST HEAT AND FIRE

### LIMITED FLAME SPREAD MATERIALS AND MATERIAL ASSEMBLIES

(Has been replaced by EN 14116)

Protective clothing according to this standard is suitable for protection in situations with accidental contact with igniting flames where there is no significant heat hazard.

Clothing according to EN 533 is marked with the below pictogram:



The clothing is tested according to EN 532 and the test includes a test of flame spread, flaming debris, afterglow, hole formation and afterflame. This test divides the materials into 3 classes, flame spread index 1, 2 and 3, where 3 gives the best protection and 1 the worst.

The test is made both before and after one of two specified cleaning procedures. The procedure chosen is as number of washes x C° together with the class.

This standard has been replaced by EN ISO 14116.



# EN ISO 14116 - PROTECTIVE CLOTHING

## PROTECTION AGAINST HEAT AND FLAME

### LIMITED FLAME SPREAD MATERIALS, MATERIAL ASSEMBLIES AND CLOTHING

This standard replaces EN 533 and specifies the requirements for protective clothing with limited flame spread properties. Clothing according to this standard is intended to protect against sporadic and brief contact with open fire in cases where no heat hazard of any kind exists.

Clothing according to this standard is marked with the below pictogram:



Tests of the following properties are made: flaming debris, after glow, hole formation and after flame. After test the clothing is classified into index 1, 2 or 3, where index 3 offers the best protection and index 1 the lowest.

The clothing is also provided with a cleaning index that inform about which cleaning procedure the clothing have been exposed to before test. The cleaning index is listed together with the flame spread index in the following way:

EN 14116/Index 1+2+3/°C x number of washes/type of wash

This standard also comprises requirements for the design of the clothing, tensile strength, tear strength and seam strength.

# EN 1149 - PROTECTIVE CLOTHING

## ELECTROSTATIC PROPERTIES

This European standard includes a series of standards that describe test methods and requirements for the electrostatic properties of protective clothing.

The standard specifies the requirements for design and materials for protective clothing that aim to protect the wearer against incendiary discharges. The requirements may not be sufficient in oxygen enriched flammable atmospheres.

EN 1149-1: Test method for measurement of surface resistivity

EN 1149-2: Test method for measurement of the electrical resistance through a material

EN 1149-3: Test method for measurement of charge decay

EN 1149-4: Test of clothing (in preparation)

EN 1149-5: Material performance and design requirements

Protective clothing according to this standard is marked with the below pictogram:



Protective clothing where the properties of the materials are taken into account are marked EN1149-3.

Protective clothing where the properties of the materials as well as the design are taken into account are marked EN 1149-5.

# CLC/TS 50354

## ELECTRICAL ARC TEST METHODS FOR MATERIAL AND GARMENTS, FOR USE BY WORKERS AT RISK FROM EXPOSURE TO AN ELECTRICAL ARC

The purpose of this technical specification is to specify some requirements for protective clothing to ensure that the clothing itself does not make the situation worse if the user is exposed to an electrical arc.

This technical specification does not offer protection from current through the body nor protection from the heat/energy generated by the electrical arc.

This technical specification includes a test of material as well as a test of clothing. The clothing shall be made of materials that live up to the requirements of this specification.

The test includes a test of burning time, melting and hole formation. The closure of the garment should be unaffected by test and work afterwards.

After the test, the material as well as the garment are classified into class 1 or 2, where class 2 offers the best protection.

This standard has been replaced by EN 61482.

# EN 61482 - LIVE WORKING PROTECTIVE CLOTHING AGAINST THE THERMAL HAZARDS OF AN ELECTRICAL ARC

EN 61482



This European standard consists of two parts that each describes two test methods that are used to test materials and protective clothing that aim to protect against the thermal hazards of electrical arcs.

Method 1, listed as EN 61482-1, is used to determine the arc performance value of flame resistant materials used for clothing. The result from this method is called the ATPV (arc thermal performance value) and is expressed as  $\text{kW} \cdot \text{s}/\text{m}^2$ . The ATPV of the material indicates how much thermal energy a material can withstand before the wearer will suffer 2nd degree burns.

Method 2, also called the box test, listed as EN 61482-1-2, is used to determine the arc rating of flame resistant material and clothing. The test classifies the materials/clothing into two classes, class 1 (4 kA) or 2 (kA), where class 2 offers the highest level of protection.



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MOTU043204

NYKU552289

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CAUTION  
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