

SIOEN

PROFESSIONAL PROTECTIVE CLOTHING



PRODUCT OVERVIEW 2024



4



12



22



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Sustainable PPC range? How?

For our Sustainable Sioen products, we take into account a number of principles:

Efficient use of raw materials

As **efficient use of raw materials** is the purest form of prevention, we prefer to use lighter materials, always considering the required protection level and the expected lifespan of personal protective equipment (PPE).

Eco-design for extending the lifespan

In addition, we **design** our sustainable PPE in such a way that repairs can be carried out more easily if necessary, extending the products' lifespan. We, for example, pay attention to the materials' high mechanical strength, good colour fastness, etc. The number of washes and drying cycles is increased and we opt for better wash-resistant finishes, among others.



Sustainable protective clothing is more than just a label. It's about finding the best solution for a particular protection level, considering comfort, ease of use, maintenance and sustainability. For our sustainable high-visibility range as well as our sustainable multinorm protective clothing range, we have paid special **attention to sustainability, without compromising on safety and protection.**



Please also check out the Sustainable high-visibility and Sustainable multinorm catalogues.

Eco-design for reusing, dismantling and recycling

Finally, by making it easier **to reuse, dismantle and recycle** our products, they become more sustainable.

Renewable and recycled raw materials

We use **renewable and recycled raw materials**, such as Tencell™ Lyocell fibres and Repreve® 100% recycled polyester fibres. Tencell™ Lyocell fibres are 100% bio-cellulose from sustainably produced wood.



SUSTAINABLE HI-VIS



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange



292 Hi-Vis Yellow/Navy
293 Hi-Vis Orange/Navy



292 Hi-Vis Yellow/Navy
293 Hi-Vis Orange/Navy



292 Hi-Vis Yellow/Navy



293 Hi-Vis Orange/Navy



292 Hi-Vis Yellow/Navy
293 Hi-Vis Orange/Navy
FC1 Hi-Vis Orange

SIO-SAFE ESSENTIAL ECO



987 Navy/Hi-vis yellow



049 Hi-Vis Yellow/Navy



987 Navy/Hi-vis yellow



049 Hi-Vis Yellow/Navy

SIO-SAFE EXTRA ECO



H46 Royal Blue
B98 Navy blue



049 Hi-Vis Yellow/Navy



B98 Navy blue
H46 Royal Blue



049 Hi-Vis Yellow/Navy



B98 Navy blue
H46 Royal Blue



049 Hi-Vis Yellow/Navy



049 Hi-Vis Yellow/Navy



B98 Navy blue



B98 Navy blue



B98 Navy blue



278 Hi-Vis Yellow/Navy



B75 Navy blue

Protective clothing especially designed for women



Even though the workforce is predominantly male in fields such as construction, energy, (petro) chemistry and in the steel industry, more and more women start working in those sectors. We aim to have adequate garments for anyone, regardless of gender. That is why we have developed garments that are especially adapted to the female physiology.

A good fit is of major importance to comply with the needed protection level for a certain task. No matter whether it comes to waterproofness, flame-retardancy or multinorm clothing, wearing an ill-fitted piece of clothing will protect you less well. The right size is, of course, very important, but the garments should also be adapted to your physiognomy.

It goes without saying that we have to keep in mind the differences between a man's and a woman's body. Fitted workwear for women does not just mean wearing a small men's size. It has to feel comfortable, as uncomfortable clothing won't be worn correctly or won't be worn at all. That's why we started developing garments that are especially designed for women.

<p>Toro 442ZA2TJB</p>    <p>B95 Navy blue</p>	<p>Jerica 547AA2TU2</p>    <p>FC1 Hi-Vis Orange FY1 Hi-Vis Yellow</p>	<p>Talia 546AA2EU1</p>    <p>FC1 Hi-Vis Orange FY1 Hi-Vis Yellow</p>		
<p>Amelia 806AA21P0</p>    <p>FC1 Hi-Vis Orange</p>	<p>NEW Augustine 807AA2MR2</p>    <p>FY1 Hi-Vis Yellow</p>	<p>NEW Vaski 7331A2ET2</p>    <p>278 Hi-Vis Yellow/Navy 279 Hi-Vis Orange/Navy</p>		<p>Kasie 066VA2PFA</p>    <p>049 Hi-Vis Yellow/Navy</p>
<p>Lesha 067VA2PFA</p>    <p>049 Hi-Vis Yellow/Navy</p>	<p>Oroya 072VA2PFA</p>    <p>B98 Navy blue</p>	<p>Casma 073VA2PFA</p>    <p>B98 Navy blue</p>	<p>Keibu 502AA2MPC</p>    <p>B90 Navy blue</p>	<p>Tormi 501AA2MPC</p>    <p>B90 Navy blue</p>



SYNQ[®]

synqworkwear.com



SYNQ[®]

Meet **SYNQ** workwear, the new addition to the Sioen Apparel “House of Brands”.

SYNQ is short for “synchronize”,
a verb for making things work together.

That is what this new brand of workwear does. Teaming up with passionate professionals. Offering you robust and high-quality workwear with the right fit, features, look and protection. So you can focus on your passion and skills. Without worries.

synqworkwear.com



A uniform look for (large) teams and companies.

- Trousers with mechanical stretch main fabric
- Modern fit & symmetrical design
- Including rain & cold protection



Additional freedom of movement thanks to 4-way stretch inserts.

- Trousers with mechanical stretch main fabric
- 4-way stretch Cordura[®] inserts at key areas
- Dynamic fit & asymmetrical design












Highly visible workwear that offers EN ISO 20471 certified protection.

- Trousers with mechanical stretch main fabric only and with additional 4-way stretch inserts
- Including rain & cold protection

Product info guide

This catalogue provides an overview of our current Sioen PPC range. For each product, you'll find a QR-code with a link to the products' dedicated website page.

On our website, you'll find additional information, such as the norms and standards the products comply with, the product descriptions, extra photos if available, datasheets, certificates, etc.

<p>A Tomar</p> <p>B 654ZA2LH2</p>  <p>C NSO Black</p>   <p>D</p> <p>F</p>	<p>Talia</p> <p>546AA2EU1</p>  <p>E</p> <p>G</p> <p>FC1 Hi-Vis Orange FY1 Hi-Vis Yellow</p>  	<p>H NEW</p> <p>Jasper</p> <p>086VA2PJH</p>  <p>I</p> <p>987 Navy/Hi-vis yellow</p>  
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Find your way

- | | | |
|---|---|---|
| <p>A Product name</p> <p>B Product code</p> <p>C Colour code + name</p> <p>D QR code website</p> <p>F High availability icon</p> | <p>E Product images</p> <p>G Garments for women</p> | <p>H New product</p> <p>I Sustainable PPC range</p> |
|---|---|---|

Next to many of our products you will find a "High availability" logo. This logo indicates that this style (in a particular colour) is a product that is given high priority in both stock and production. **The particular colour is indicated in colour and in bold.**

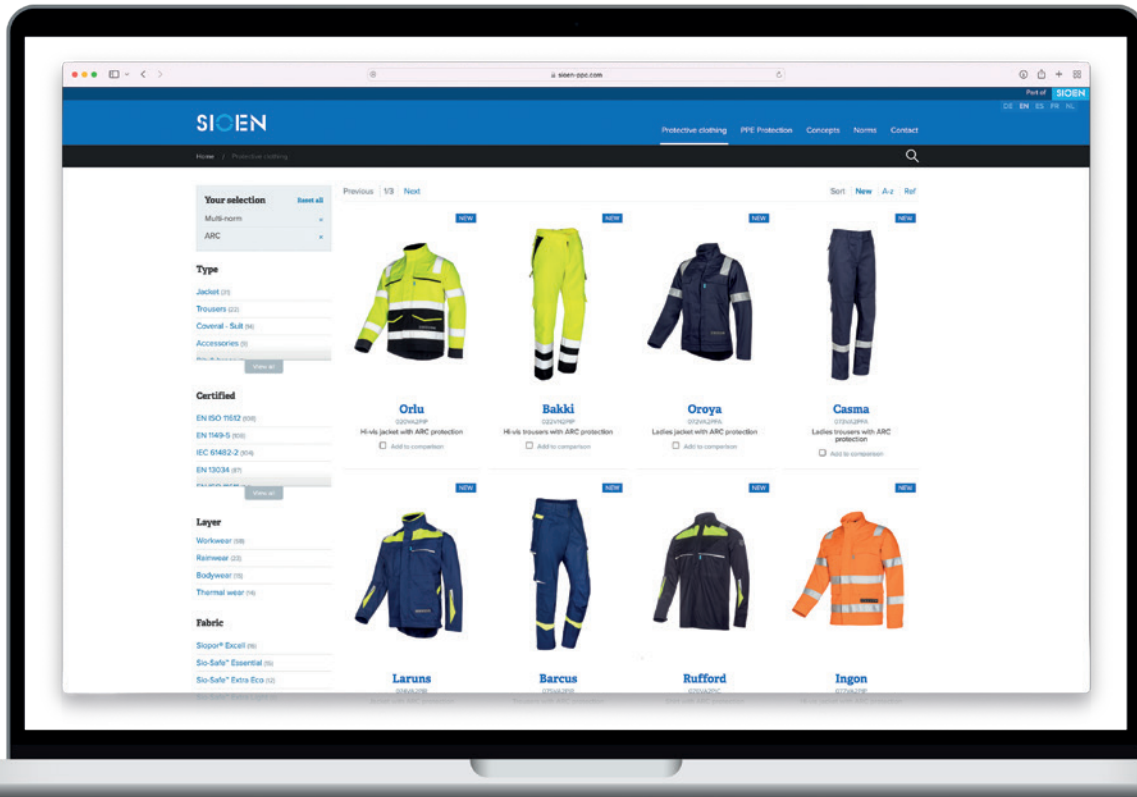
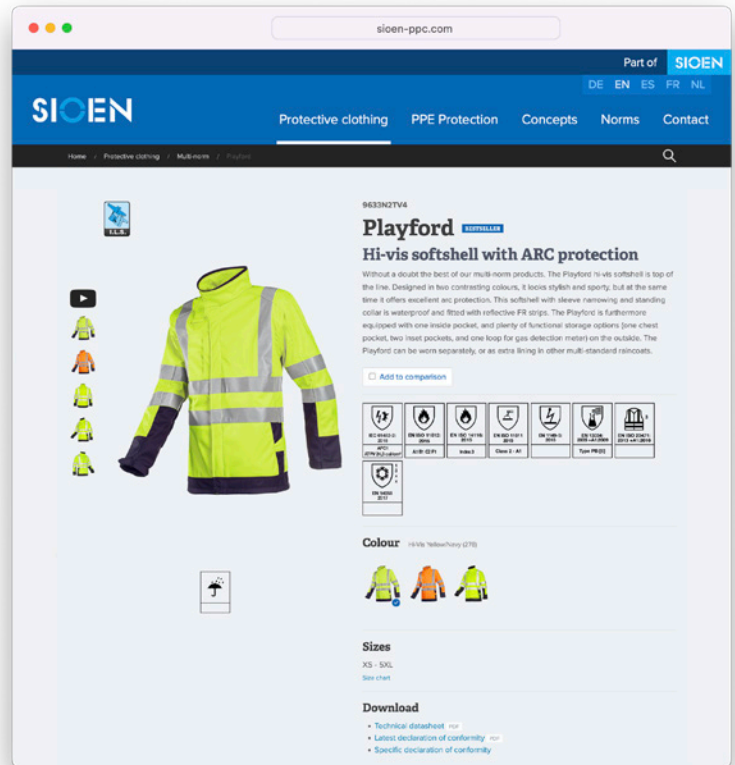


sioen-ppc.com

Visit our website for more detailed product information

Easy access to product searches

- Full and up-to-date product information available
- New products
- Access to product data sheets
- Ability to compare products
- Access to the electronic catalogue
- Responsive design for tablet and mobile use
- Advanced product filters
- Latest company news
- Product videos







All Weather

Certified all weather protection
EN 14058 & EN 343







BODYWEAR

FRESH & DRY

Odars

499AA2MD6



N02 Anthracite

Roja

500AA2MD6



N02 Anthracite

WARM & DRY

Trapani

2673A2MV4



BS0 Blue

Terni

2672A2MV5



BS0 Blue

Trento

2674A2MV4



BS0 Blue

Ferano

511AA2MC4



M22 Grey



Montrose

513AA2MC4



M22 Grey

Bodywear is worn close to the skin, making it thus extremely important that it is comfortable and breathable with good moisture management properties.



THERMAL WEAR

FLEECE JACKETS

Durango
611ZA2T01



201 Navy/Black
203 Red/Black
312 Grey/Black
617 Khaki/Black

Merida
612ZA2T01



N15 Black
B68 Blue
M44 Grey
R14 Red

Sherwood
626ZA2TJP



MS0 Grey
N25 Anthracite



Germo
625ZA2G25



201 Navy/Black
761 Black/Red

Hayton
574AA2TXB



MW3 Grey

Alton
578AA2TXE



TB1 Petrol Blue
BB1 Navy blue
MB1 Grey



Romsey
575AA2TXC



MW4 Grey

Crosby
576AA2EP7



N15 Black
B75 Navy blue
189 Petrol/Blue

Tarbes
7789A2T01



BS0 Blue

Lindau
7805A2T01



BS0 Blue

Toro
442ZA2TJB



B95 Navy blue

Tortolas
443ZA2TJB



B95 Navy blue



Crosby
576AA2EP7

THERMAL WEAR

SOFTSHELL JACKETS

Torreon
624ZA2TU2



201 Navy/Black
203 Red/Black
312 Grey/Black

Pulco
622ZA2TU2



B68 Blue
M44 Grey
N15 Black

Piemonte
9834A2TU2



128 Red/Black
201 Navy/Black
760 Black/Grey

LAMINATED SOFTSHELL JACKETS

Homes
9934A2TU1



BSP Blue
NS0 Black

Garlin
577AA2TXD



MB1 Grey
BB1 Navy blue
TB1 Petrol Blue



BODYWARMERS

Inga
570AN2NRA



N15 Black

Bernex
087AN2X32



B81 Nassau Blue
N20 Black

RAINWEAR



FLEXOTHANE® ESSENTIAL

Bielefeld
4265A2FE0



A41 Green Khaki
B90 Navy blue
Y58 Yellow

Bantur
4144A2FE0



A41 Green Khaki

Jakarta
4145A2FE0



A41 Green Khaki
B90 Navy blue
Y58 Yellow

Dover
4893A2FE0



A41 Green Khaki
B90 Navy blue
Y58 Yellow

Herford
6218A2FE0



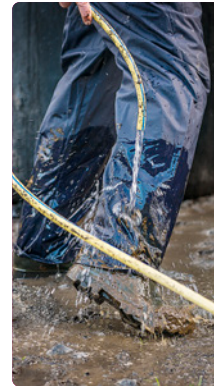
A41 Green Khaki
B90 Navy blue
Y58 Yellow



Bangkok
6360A2FE0



A41 Green Khaki
B90 Navy blue
Y58 Yellow



Bandung
6620A2FE0



A41 Green Khaki
B90 Navy blue
Y58 Yellow





Gascogne
3792A2FC1



B90 Navy blue



Dortmund
4820A2FC1



A41 Green Khaki
B90 Navy blue
Y58 Yellow

Ascot
4507A2FC1

Elegant fit, waterproof, windproof, lightweight, detachable hood, wristband with sleeve narrowing, plenty of pocket space, Flexothane® Classic fabric, elongated back.



Rotterdam
4500A2FC1



A41 Green Khaki
B90 Navy blue
Y58 Yellow

Louisiana
4600A2FC1



A41 Green Khaki
B90 Navy blue
Y58 Yellow

Montreal
4964A2FC1



A41 Green Khaki
B90 Navy blue
C38 Orange
H45 Royal Blue
Y58 Yellow
W02 White

Amsterdam
4899A2F01



003 Navy/Royal Blue

Quebec
6931A2FC1



012 Royal Blue/Navy

Lillehammer
4990A2F01



003 Navy/Royal Blue

Toscana
4644A2F2C



140 Khaki 2-Coloured

Auckland
4570A2FC1



A41 Green Khaki

Cork
8161Z0FC1



A41 Green Khaki

NEW
Ascot
4507A2FC1



A41 Green Khaki
B90 Navy blue

RAINWEAR

TEXOFLEX®

TEXOFLEX

Brest
1692A2B01



A98 Green Khaki

Le Havre
5100A2B01



A98 Green Khaki

Staffin
660AA2B0Z



209 Hi-Vis Orange /
Navy Blue

Stein
661AA2B0Z



209 Hi-Vis Orange /
Navy Blue

Glenroe
700AA2B17



A96 Khaki

Falmore
702AA2B17



A96 Khaki

ULTRATEX

Ceton
5U01A2CX3



882 Grey/Black

Hawk
027AA2PBD



B75 Navy blue
M45 Grey
N20 Black
R18 Red

Crossfield
298AA2NX2



B75 Navy blue

Adelans
191AA2X71



N15 Black

Rowe
437AA2CX3



N15 Black

Palmer
436AA2CX3



343 Navy/Black



RAINWEAR

SIOPOR® REGULAR

Sheffer
698ZA2X98



A41 Green Khaki
B75 Navy blue

Murray
699ZA2X98



A41 Green Khaki
B75 Navy blue

SIOPOR® ULTRA

Cumbria
603ZA2LH2



N15 Black

Tomar
654ZA2LH2



NS0 Black

Tornhill
608ZN2LH2



201 Navy/Black
203 Red/Black
312 Grey/Black

SIOPOR® EXTRA

Tempa
400AA2EU1



N15 Black
B75 Navy blue

Cloverfield
288AA2EX1



061 Grey/Black
201 Navy/Black

SIOPOR® LIGHT

Haines
572AA2EP8



061 Grey/Black
343 Navy/Black
189 Petrol/Blue

Moores
579AA2EP5



N15 Black

Colton
571AA2EP5



061 Grey/Black
343 Navy/Black
189 Petrol/Blue



Cloverfield
288AA2EX1



Colton
571AA2EP5





High-visibility

Certified high-visibility
protection EN ISO 20471



BODYWEAR

T-SHIRT & POLO SHIRT



Cartura
3867A2MBE



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange

Ameno
3866A2MBE



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange
FR1 Hi-Vis Red



Irola
3870A2MBE



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange



Genari
3868A2MBE



FC1 Hi-Vis Orange



Lightweight products in an easy care material with a pleasant touch.

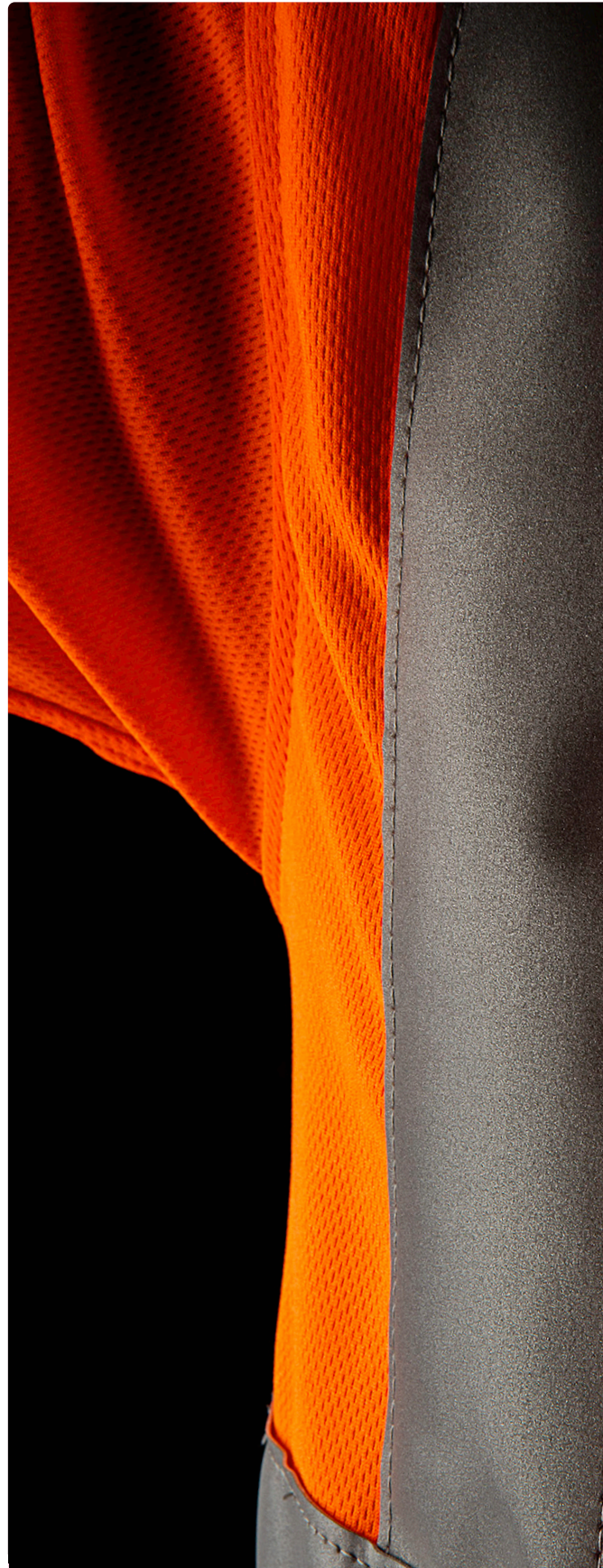
Available in S - XXXL

Fabric

Basic Line: 100% polyester (birds eye); ± 140 g/m²



Birdeye knitting with stretchable reflective tape (stitched)





T-SHIRT & POLO SHIRT

Mastra
3873A2MV1



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange

Longa
3874A2MV1



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange

Bresso
3890A2MV1



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange

Naro
3880A2MV1



FC1 Hi-Vis Orange

Molina
3879A2MV1



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange

Olgiate
3883A2MV1



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange

Tolke
3894A2MV1



FC1 Hi-Vis Orange



The perfect blend of Viloft® and Polyester resulting in an excellent physical comfort.

Available in S - XXXL

Fabric

Ultra Line: Double knitting: exterior: 100% polyester / interior: 50% Viloft® + 50% polyester (dropneedle); ± 185 g/m²



VILOFT®

Dropneedle double knitting with underarm high-visibility mesh for optimal ventilation
+ stretchable reflective tape (stitched)

BODYWEAR

T-SHIRT & POLO SHIRT

SIO-COOL LIGHT

SEGMENTED REFLECTIVE TAPE

Pulcini

3889A2MC2



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange

Matane

585AA2MC2



FC1 Hi-Vis Orange



STITCHED REFLECTIVE TAPE

Omero

3885A2MC2



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange

Popola

3886A2MC2



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange



SIO-COOL[®] LIGHT

Excellent moisture management and comfort properties.

Available in S - XXXL

Fabric

Sio-Cool[®] Light: 100% polyester; ± 130 g/m² (birds eye structure)



STANDARD 100
1112054
Centexbel



RWS LINE



Pulcini
3889A2MC2

SIO-COOL COMFORT

T-SHIRT & POLO SHIRT

Rovito
3876A2MC3



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange

Tiola
3881A2MC3



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange

T-SHIRT & POLO SHIRT

SIO-COOL CLASSIC

Rotella
3877A2MC1



FC1 Hi-Vis Orange
FY1 Hi-Vis Yellow

Rotto
3882A2MC1

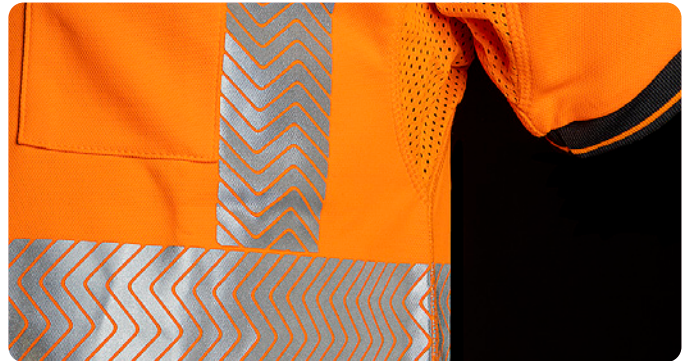
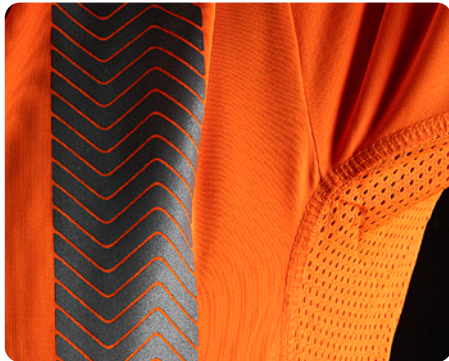


FC1 Hi-Vis Orange
FY1 Hi-Vis Yellow

Casbas
612AA2MC5



FC1 Hi-Vis Orange
FY1 Hi-Vis Yellow



SIO-COOL COMFORT

Excellent moisture management and comfort properties.

Available in S - XXXL

Fabric

Sio-Cool® Light: 100% polyester; ± 130 g/m² (birds eye structure)



SIO-COOL CLASSIC

The original highly breathable quality with UV protection.

Available in S - XXXL.

Fabric

MC1: Sio-Cool® Classic: 100% polyester piqué; ± 180 g/m²
MC5: Sio-Cool® Classic: 100% polyester piqué; ± 145 g/m²





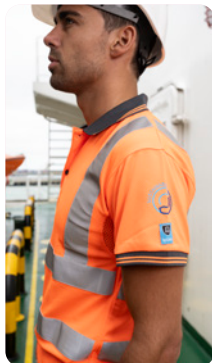


BODYWEAR

SUSTAINABLE POLO SHIRT

NEW

Broby
680AA2MC7



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange

WAISTCOATS

Lacona
9092A2PEC



FC1 Hi-Vis Orange
FY1 Hi-Vis Yellow

Elba
9044A2PEC



FC1 Hi-Vis Orange
FY1 Hi-Vis Yellow

Solaka
9052A2PEC



FC1 Hi-Vis Orange
FY1 Hi-Vis Yellow

Carpi
9042A2PEC



FC1 Hi-Vis Orange
FY1 Hi-Vis Yellow

Anta
545AA2M09



FC1 Hi-Vis Orange
FY1 Hi-Vis Yellow



Blaru
545ATAM09



FC1 Hi-Vis Orange

Ronet
739AA2PEC



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange

Broby
680AA2MC7
+
Turup (O)
083VA2PEJ

THERMAL WEAR

SWEATERS

Bindal
284AA2MXQ



856 Hi-Vis Yellow/Grey
707 Hi-Vis Orange/Grey

FLEECE JACKETS

Kingley
497ZA2T01



414 Hi-Vis Orange/Navy
415 Hi-Vis Yellow/Navy

Reims
131ZA2T01



FC1 Hi-Vis Orange
FY1 Hi-Vis Yellow

Berkel
353AA2TX2



FC1 Hi-Vis Orange

Castor
725ZA2IJ2



FC1 Hi-Vis Orange

Mowett
712ZA2T01

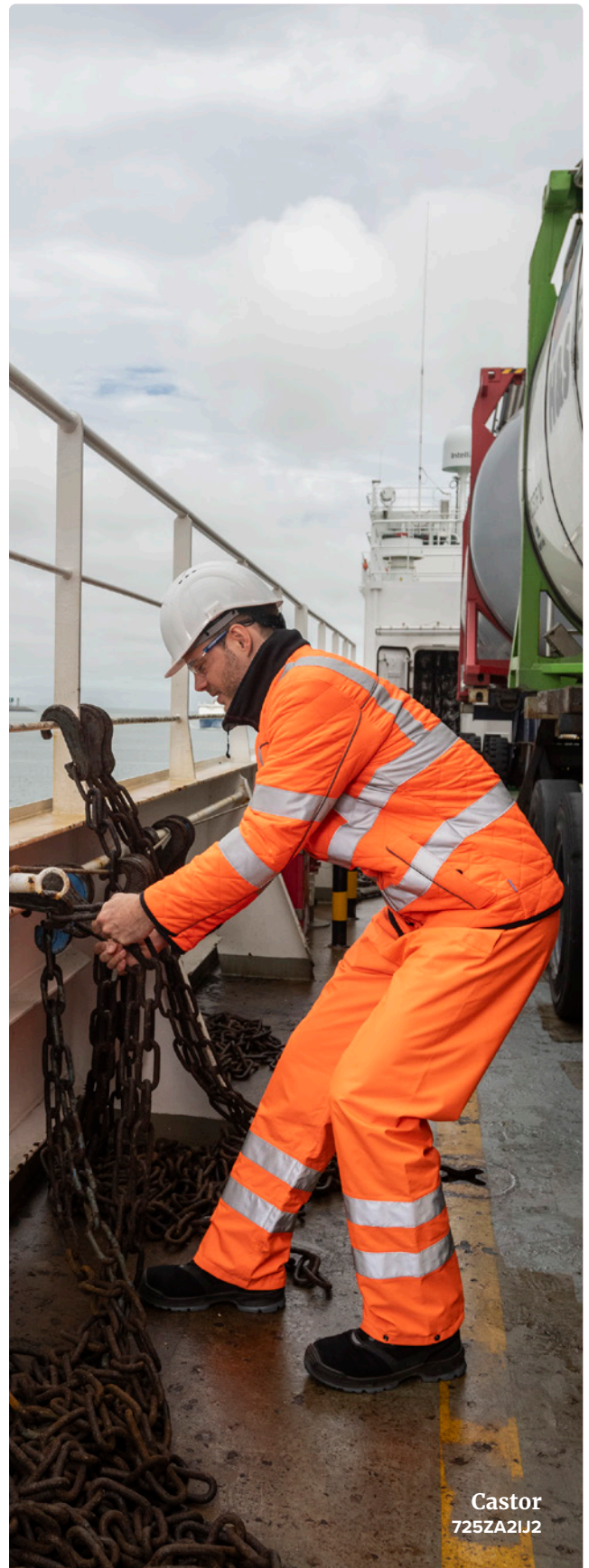


FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange

Senic
711ZA2T01



415 Hi-Vis Yellow/Navy
414 Hi-Vis Orange/Navy



Castor
725ZA2IJ2

THERMAL WEAR

SOFTSHELLS

Malden
724ZA2TU2



415 Hi-Vis Yellow/Navy
414 Hi-Vis Orange/Navy

Dexter
722ZA2TU2



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange

Genova
9833A2TU2



FC1 Hi-Vis Orange
FR1 Hi-Vis Red
FY1 Hi-Vis Yellow

Alphen
498AA2TU2



FC1 Hi-Vis Orange

Jerica
547AA2TU2



FC1 Hi-Vis Orange
FY1 Hi-Vis Yellow

Drayton
167AA2TU2



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy



NEW
Bajus
349AA2TU2



279 Hi-Vis Orange/Navy
278 Hi-Vis Yellow/Navy

LAMINATED SOFTSHELLS

Walney
521AA2TU1



803 Hi-Vis Yellow/Blue



Fuller
9933A2TU1



803 Hi-Vis Yellow/Blue
951 Hi-Vis Orange/Navy

Burton
169AA2EU1



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy

SUSTAINABLE SOFTSHELL

NEW
Aborg
9912A2TUR



292 Hi-Vis Yellow/Navy
293 Hi-Vis Orange/Navy

BODYWARMERS

Walney
521AA2TU1



803 Hi-Vis Yellow/Blue



Fuller
9933A2TU1



803 Hi-Vis Yellow/Blue
951 Hi-Vis Orange/Navy

Burton
169AA2EU1



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy



Arras
1148A2F01



FC1 Hi-Vis Orange
FY1 Hi-Vis Yellow



WORKWEAR

POLYESTER COTTON



Hantum
052VA2PA8



FC1 Hi-Vis Orange

Meddo
053VA2PA8



FC1 Hi-Vis Orange

Zuten
054VA2PA8



FC1 Hi-Vis Orange

Herven
055VA2PA8

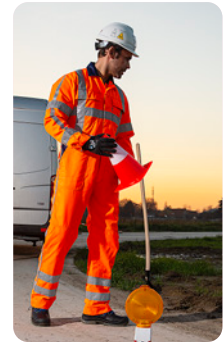


FC1 Hi-Vis Orange

Welten
056VA2PA8



FC1 Hi-Vis Orange



SUSTAINABLE TROUSERS

NEW
Turup
083VA2PEE



292 Hi-Vis Yellow/Navy

NEW
Turup (0)
083VA2PEJ



293 Hi-Vis Orange/Navy

Aborg
9912A2TUR
+
Turup
083VA2PEE

FLEXOTHANE[®] ESSENTIAL

Erfurt
1785A2FE0



FC1 Hi-Vis Orange

Carmaux
4303A2FE0



062 Hi-Vis Orange/Navy
065 Hi-Vis Yellow/Navy

Amberg
6623A2FE0



FC1 Hi-Vis Orange

Kassel
4279A2FE0



FC1 Hi-Vis Orange
FY1 Hi-Vis Yellow

Bastogne
6361A2FE0



FC1 Hi-Vis Orange
FY1 Hi-Vis Yellow

Tacana
7650A2FE0



FY1 Hi-Vis Yellow



Batur
6564A2FE0



FC1 Hi-Vis Orange

Merapi
7850A2FE0



FC1 Hi-Vis Orange

Eshton
3726A2FE0



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange



Tacana
7650A2FE0

FLEXOTHANE[®] CLASSIC

Unzen
3720A2FC1



FC1 Hi-Vis Orange

Unzen (HV)
3720A2F01



FY1 Hi-Vis Yellow



Lassen
3763A2FC1



FC1 Hi-Vis Orange

Gorda
3762A2F01



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange

Gemini (HV)
6580A2F01



FY1 Hi-Vis Yellow

Gemini
6580A2FC1



FC1 Hi-Vis Orange

Anonex
5429A6F01



FY1 Hi-Vis Yellow

Aoba
6669A2FC1



FC1 Hi-Vis Orange

Etna
6936A2F01



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange

Rabaul
5616A2F01



062 Hi-Vis Orange/Navy
065 Hi-Vis Yellow/Navy



Unzen (HV)
3720A2F01

Fressin
348AA2ES3
+
Norvill
799ZA2X98



Anfield
166AA2EU1
+
Norvill
799ZA2X98



RAINWEAR

SIOPOR® REGULAR

SIOPOR®
REGULAR

Monoray
198AA2X98



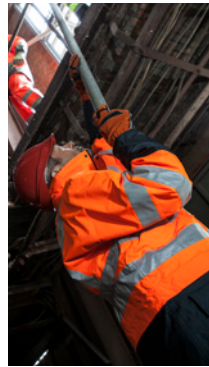
FC1 Hi-Vis Orange
FR1 Hi-Vis Red
FY1 Hi-Vis Yellow



Monoco
598ZN2X98



FC1 Hi-Vis Orange
FY1 Hi-Vis Yellow
FR1 Hi-Vis Red



Belvill
798ZA2X98



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy

NEW

Fressin
348AA2ES3



279 Hi-Vis Orange/Navy
278 Hi-Vis Yellow/Navy

Bitoray
199AA2X98



FC1 Hi-Vis Orange
FR1 Hi-Vis Red
FY1 Hi-Vis Yellow



Norvill
799ZA2X98



279 Hi-Vis Orange/Navy
278 Hi-Vis Yellow/Navy

RAINWEAR

SIOPOR® ULTRA



Skollfield
209AN2X93



065 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy
717 Hi-Vis Red/Grey
320 Hi-Vis Yellow/Green

Powell
401AN3EU1



279 Hi-Vis Orange/Navy
278 Hi-Vis Yellow/Navy



Etton
628AA2EU1



FC1 Hi-Vis Orange
FY1 Hi-Vis Yellow

Campbell
364AN3EX1



065 Hi-Vis Yellow/Navy
062 Hi-Vis Orange/Navy



Hobson
404AA2EU1



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange

Lightflash
313AN2ES3



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy



Alford
168AA2EU1



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy

Thoras
428AA2EU1

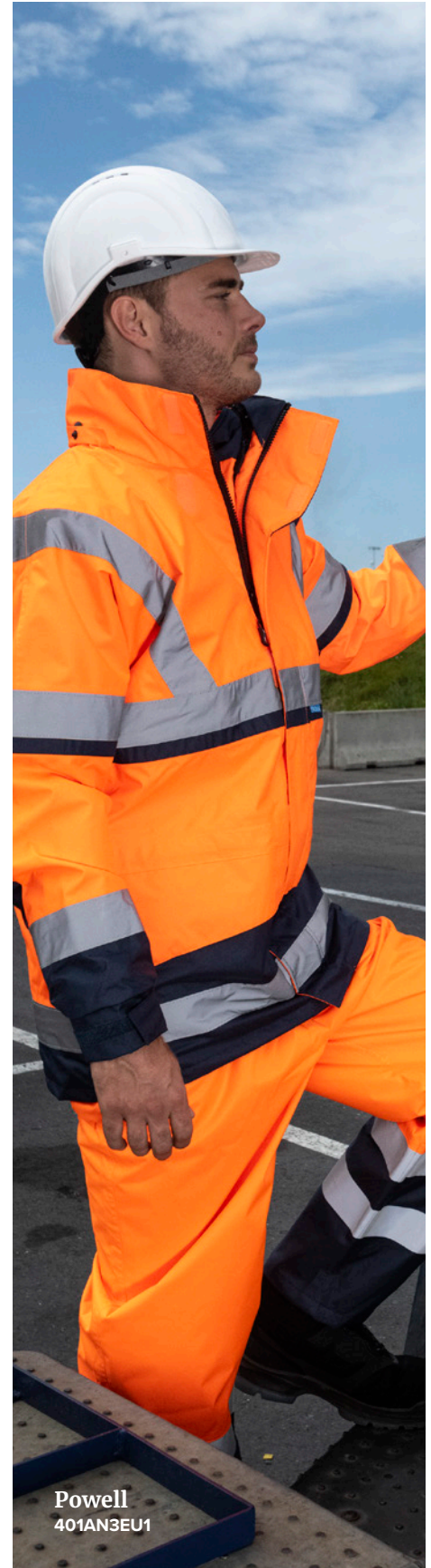


945 Hi-Vis Yellow/Hi-Vis Red/Black

Cabin
440AA2EU1



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy



Powell
401AN3EU1

SIOPOR® ULTRA



Anfield
166AA2EU1



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy

Barclay
346AN2ES3



065 Hi-Vis Yellow/Navy

Malbro
347AN2ES3



062 Hi-Vis Orange/Navy
065 Hi-Vis Yellow/Navy

Anholt
522AA2LI7



803 Hi-Vis Yellow/Blue

Thornton
520AA2LI7



803 Hi-Vis Yellow/Blue

Talia
546AA2EU1



FC1 Hi-Vis Orange
FY1 Hi-Vis Yellow

SIOPOR® ULTRA



Diezel
351AN2EX1



FC1 Hi-Vis Orange

Boorne
350AA2EX1



FC1 Hi-Vis Orange

Merede
354AA2EX1



FC1 Hi-Vis Orange



Talia
546AA2EU1

RAINWEAR

SIOPOR® EXTRA



Windsor
708ZA2LH2



415 Hi-Vis Yellow/Navy
414 Hi-Vis Orange/Navy

Brighton
132ZA2EJ4



414 Hi-Vis Orange/Navy
415 Hi-Vis Yellow/Navy

Tarviso
5841A2EJ4



414 Hi-Vis Orange/Navy
415 Hi-Vis Yellow/Navy

Mildura
703ZA2LH2



FC1 Hi-Vis Orange



Flensburg
4448A2EJ4



FC1 Hi-Vis Orange



Windsor
708ZA2LH2

SIOPOR® STRONG



Croston
639AA2EXA

Highly suitable for harsh working conditions, heavy canvas, elongated back, detachable lining, packaway hood, pen pocket, wristband with sleeve narrowing, zip closure in back lining for applying a logo or personalisation.



Croston
639AA2EXA



065 Hi-Vis Yellow/Navy
062 Hi-Vis Orange/Navy

RAINWEAR

SUSTAINABLE TROUSER & JACKET

Birkum
682AA2L2R

Rain protection (EN 343), ECO jacket, designed for easy disassembly, detachable hood with chin protection, made of recycled raw materials, EN ISO 20471 certified, reflective striping.



NEW
Birkum
682AA2L2R



292 Hi-Vis Yellow/Navy
293 Hi-Vis Orange/Navy

NEW
Grady
681AA2L2R



292 Hi-Vis Yellow/Navy
293 Hi-Vis Orange/Navy
FC1 Hi-Vis Orange

ULTRATEX

Sparrow
029AA2PBE



FY1 Hi-Vis Yellow
FC1 Hi-Vis Orange

Eagle
050AA2PBE



FC1 Hi-Vis Orange

Stormflash
2006A2NI4



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy



ACCESSORIES

Horns
523AA2D06



H50 Royal Blue

Stockton
5SABA2ZZ4







Multinorm

FR AST

Arc

Chemicals







FR AST BODYWEAR

FR AST UNDERWEAR

Beltane
2690A2MPC



B90 Navy blue

Borger
2689A2MPC



B90 Navy blue

Tormi
501AA2MPC



B90 Navy blue

Keibu
502AA2MPC



B90 Navy blue

FR AST T-SHIRTS & POLO SHIRTS

Picton
518AN2MPC



B90 Navy blue
M44 Grey

Polton
519AA2MPC



B90 Navy blue
M44 Grey

Garat
539AA2MPI



FY1 Hi-Vis Yellow

Arran
540AA2MPI



065 Hi-Vis Yellow/Navy

FR AST WAISTCOATS

Hellisan
307AA2PX8



FC1 Hi-Vis Orange
FY1 Hi-Vis Yellow
FR1 Hi-Vis Red

Raufar
308AA2PX8



FC1 Hi-Vis Orange
FY1 Hi-Vis Yellow

Sarvan
620AA2MF3



FC1 Hi-Vis Orange
FY1 Hi-Vis Yellow

Bertrix
652AA2MF3



FC1 Hi-Vis Orange
FY1 Hi-Vis Yellow

FR THERMAL WEAR

FR FLEECE LININGS

Royston
7220N2TF1



B75 Navy blue

Watson
7221N2TF1



B75 Navy blue

Liberchies
7760N2TF1



B75 Navy blue

Molenbaix
7761N2TF1



B75 Navy blue

FR FLEECE JACKETS

Obaix
7759N2TF1



B75 Navy blue

Dampremy
7771N2TF1



B75 Navy blue

Rainier
496ZN2TF1



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy

FR ACCESSORIES



Kirton
649AA2EF7



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy

Perkam
YMB00000C

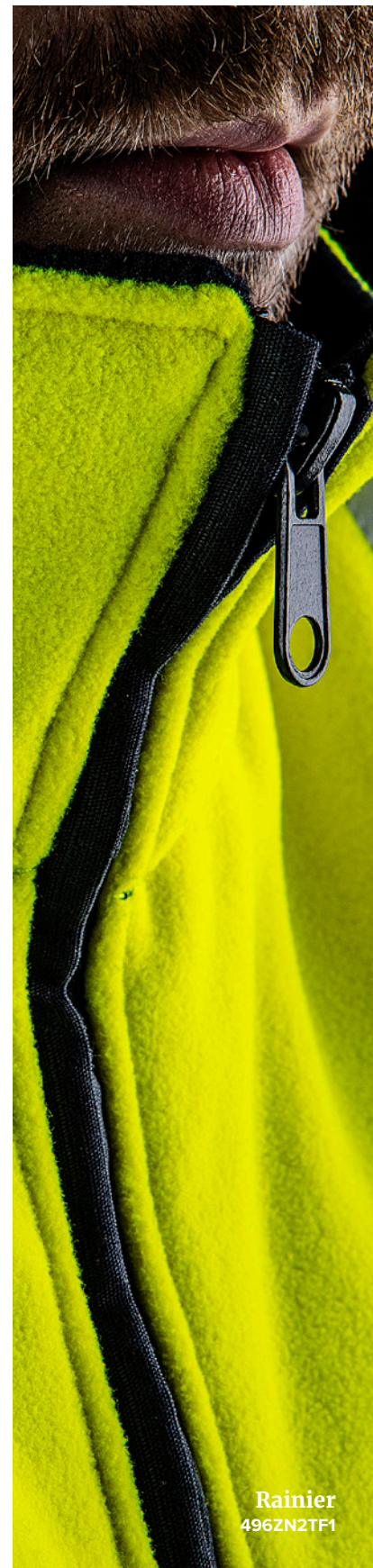


Not FR

Atting
877VA2ZZD



NS0 Black



Rainier
496ZN2TF1

FR AST THERMAL WEAR

FR AST BODYWARMERS

Sidney
9387N3EF3



FY1 Hi-Vis Yellow



Garnich
2578N3EF3



B75 Navy blue

Bravone
1666N3EF3



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy

Vikja
9375A2ET2



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy

Burvik
9376A2ET2



B75 Navy blue



Vikja
9375A2ET2

FR AST SOFTSHELLS

Belarto
9644A2TV4



B75 Navy blue

Heatherton
9643A2TV4



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy



FR AST FLEECE LINING

Troston
7870A2TF6



B75 Navy blue

WORKWEAR

SIO-FLAME™ ANTI-STATIC

SIO-FLAME™ ANTI-STATIC

Novara
002VA2PIF



B98 Navy blue

Bardi
004VN2PIF



B98 Navy blue

Aversa
007VN2PIF



B98 Navy blue

Gimont
001VA2PIF



B98 Navy blue

Altea
003VN2PIF



B98 Navy blue

Alvito
005VN2PIF



B98 Navy blue

Ferrol
006VN2PIF



B98 Navy blue

SIO-FLAME™ MOLTEN METAL

SIO-FLAME™ MOLTEN METAL

Lonic
039VA2PIU



141 Red/Navy

Gulia
040VA2PIU



141 Red/Navy



Aversa
007VN2PIF

RAINWEAR

SIO-STRETCH™

Merton
4U10A2FFX



B90 Navy blue

Witham
6U08A2FFX



B90 Navy blue

NEW
Jibou
9396A2EF7



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy

Elliston
7219N3EF7



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy



Brisbane
6133N3EF5



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy

Netley
7U01A2FFX



H45 Royal Blue

Tielson
5874N3EF5



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy



Ridley
7218N3EF7



B75 Navy blue

Wellsford
4691N3EF5



B75 Navy blue

Elliston
7219N3EF7





RAINWEAR

SIOPOR™ FR AST



Winseler
3073N3EF7

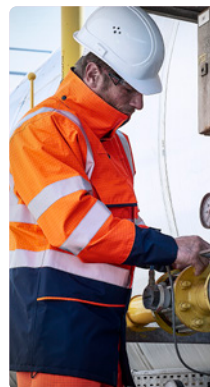


278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy

Hedland
7223N3EF7



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy
815 Hi-Vis Red/Navy



Oregon
1874N3EF5



278 Hi-Vis Yellow/Navy

Geralton
5634N3EF7



278 Hi-Vis Yellow/Navy



Carret
7253N3EF7



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy

Gladstone
5729N3EF7



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy



Glenroy
7222N3EF7



B75 Navy blue

Ekofisk
5806N3EF3



B75 Navy blue

Hasnon
3085N3EF7



B75 Navy blue

Barker
7224N3EF7



B75 Navy blue

Hinton
7225N3EF7



B75 Navy blue

Hedland
7223N3EF7

Gladstone
5729N3EF7

ARC protection

Certified ARC protection

IEC/EN 61482-2



ARC PROTECTION LEVELS - SINGLE GARMENTS

	Type	Weight	Styles	ATPV/EBT (cal/cm ²)	PPE Category	ELIM	HAF%	LOI%	ARC CL 1	ARC CL 2
Bodywear	Underwear AMF2	220 g/m ²	462A, 463A	5,7	1	5,1	79,2	32,1	•	
	Polo-shirts AMR2A	220 g/m ²	496A, 527A, 542A, 581A, 807A	6,6 (EBT)	1	5,9		30,1	•	
	Polo shirts AIPO	215g/m ²	554A, 610A, 806A	5,5	1	4,9			•	
	Polo shirts AMF4	230g/m ²	580A, 742A	14,7 (EBT)	2	10			•	
	Shirts APIC	180 g/m ²	065V, 068V, 076V	6,9 (EBT)	1	6,4			•	
Thermal wear	Sweater AMR5	310g/m ²	549A, 616A, 635A	14 (EBT)	2	12		29,1	•	
	Sweater AMPJ	310g/m ²	650A	8,2	2	7,2			•	
	Fleeces ATF7	350g/m ²	7690, 9854, 9896	19 (EBT)	2	16		31,4	•	
	Softshells ATV4	350g/m ²	7332, 7334, 9705, 9633, 9634	24,3	2	20	90,6	28,4	•	
Workwear	Sio-Safe™ Essential Light APIR	245g/m ²	074V, 075V	8,4	2	7,6		28,8	•	
	Sio-Safe™ Essential Light APFB	260g/m ²	009V, 010V, 012V, 013V, 017V, 018V, 088V	9,4	2	8,2	78,8		•	
	Sio-Safe™ Essential APFA	350g/m ²	008V, 009V, 010V, 011V, 012V, 013V, 014V, 015V, 016V, 017V, 018V, 066V, 067V, 072V, 073V, 088V	15,2	2	11,7	82,2		•	
	Sio-Safe™ Essential Eco APJH	320g/m ²	084V, 085V, 086V, 087V	11	2	9,7			•	
	Sio-Safe™ Extra Light APIP	260g/m ²	020V, 022V, 026V, 077V, 078V, 081V, 850V, 892V	8	2	7	68		•	
	Sio-Safe™ Extra Eco APF9	300g/m ²	019V, 020V, 021V, 022V, 023V, 024V, 026V, 031V, 079V, 080V, 082V	8,8	2	7,6			•	
	Sio-Safe™ Extra APFD	320g/m ²	020V, 022V, 024V, 026V	8,8	2	7,6		25,6	•	
	Sio-Safe™ Supra APIT (with lining)	400g/m ²	057V, 058V, 059V, 060V	20	2	20				•
Rainwear	Sio-Safe™ Aqua ALK2 (with lining)	495g/m ²	7227, 7240, 1005, 1004, 1006	40,5	4	36,6	93,5	28,4 (without lining)		•
	Siopor® ExcellArc AET2 (without lining)	270g/m ²	1107, 5908, 7229, 7329, 7330, 7331, 7333, 7429, 7430, 7276, 7277	9,1	2	8,3			•	
	Siopor® ExcellArc AET2 (with lining APVF)	400g/m ²	7530	28	3	26				•
	Siopor® ExcellArc AET2 (with detachable lining ATF6)	530g/m ²	8524	38 (EBT)	3	33				•
	Siopor® ExcellArc AET2 (with winter lining All2)	610g/m ²	5909	40	4	34				•
	Sio-Safe™ Extra Eco APJD (with linings)	550g/m ²	7297	22	2	20				•

Bold & • = Tested

ARC Configurator

**Increase the level
of ARC protection by
multilayering garments.**

When selecting personal protective clothing to be worn in multirisk environments it is important that not only the outer shell offers the required protection for that work environment. Also the layers underneath must offer extra protection for the worker in case the hazard penetrates the outer layers.



SIOEN

WHEN COMBINING DIFFERENT LAYERS OF GARMENTS, THE LEVEL OF PROTECTION INCREASES

1. ARC Bodywear

Keeps you dry and warm



2. ARC Thermal wear

Keeps you warm and also conforms to multinorm standards



3. ARC Workwear

Combines optimal protection and wearer comfort



4. ARC Rainwear

Keeps you protected and weatherproof



A higher level of ARC protection can be obtained by combining and wearing different ARC protective garments together. The air in between the different garment layers also acts as a thermal insulator, offering increased protection against the thermal effects of an ARC flash.

Using this type of multiple layer solutions offers a high degree of flexibility for workers.

For example, when an ARC class 1 longsleeved polo-shirt is worn together with ARC class 1 workwear, the ARC class 2 protection level is reached. In doing so, the level of protection offered by the combination of these garments is increased.

When doing other maintenance work where no ARC class 2 level is required, according to the safety risk analysis, the worker can take off one of the garments, thus going back to an ARC class 1 protection level.



Other companies use the ATPV or Elim value to establish the required level of protection of the worker exposed to the thermal risks of an ARC flash. Each garment has an ATPV or Elim value. **The higher the value, the higher the protection level that needs to be offered to the worker in case of exposure to these kinds of risks. When combining two garments together the ATPV/Elim value of the combination will be higher than the sum of the separate values.**

Please find an overview on the next page for the combinations of Sioen ARC class 1 garments that offer ARC class 2 protection when wearing them together. The values for the combinations in bold have been fully tested. The values in italic are deductions achieved by adding up the values of the individual garments.



ARC CONFIGURATOR - FIRST LAYER ARC BODYWEAR

Some examples with **ARC bodywear** as a first layer



Example 01

First layer Polo shirt - 496AA2MR2		+	Second layer Workwear - 009VA2PFA	
				
IEC 61482-1-2: Class 1	IEC 61482-1-1: 5,9 cal/cm ² (ELIM) 6,6 cal/cm ² (EBT)		IEC 61482-1-2: Class 1	IEC 61482-1-1: 11,7 cal/cm ² (ELIM) 15,2 cal/cm ² (ATPV)
496AA2MR2 + 009VA2PFA				
IEC 61482-1-2: Class 2		=	IEC 61482-1-1: 41 cal/cm ² (ELIM) 44,8 cal/cm ² (ATPV)	

Example 02

First layer Shirt - 068VA2PIC		+	Second layer Softshell - 9633A2TV4	
				
IEC 61482-1-2: Class 1	IEC 61482-1-1: 6,4 cal/cm ² (ELIM) 6,9 cal/cm ² (ATPV)		IEC 61482-1-2: Class 1	IEC 61482-1-1: 20 cal/cm ² (ELIM) 24,3 cal/cm ² (ATPV)
068VA2PIC + 9633A2TV4				
IEC 61482-1-2: Class 2		=	IEC 61482-1-1: 28,9 cal/cm ² (ELIM) 33,2 cal/cm ² (ATPV)	

Example 03

First layer Polo-shirt - 542AA2MR2		+	Second layer Workwear - 010VA2PFA	
				
IEC 61482-1-2: Class 1	IEC 61482-1-1: 5,9 cal/cm ² (ELIM) 6,6 cal/cm ² (EBT)		IEC 61482-1-2: Class 1	IEC 61482-1-1: 11,7 cal/cm ² (ELIM) 15,2 cal/cm ² (ATPV)
542AA2MR2 + 010VA2PFA				
IEC 61482-1-2: Class 2		=	IEC 61482-1-1: 41 cal/cm ² (ELIM) 44,8 cal/cm ² (ATPV)	

First layer: ARC bodywear

Please find the configuration options that are possible when using

ARC bodywear as a first layer in your multilayer garment configuration below.

First layer			+	Second layer			=	Combination						
Type	Weight	Styles	Type	Weight	Styles	ATPV/ EBT (cal/cm ²)	PPE Cate- gory	ELIM	HAF%	LOI%	ARC CL 1	ARC CL 2		
Underwear AMF2	220 g/m ²	462A, 463A	Polo-shirts AMR2A	220 g/m ²	496A, 527A, 542A, 581A, 807A	15,2 (EBT)	2	14	89		•			
			Polo-shirt A1P0	215 g/m ²	554A, 610A, 806A	11,2	2	10,0				•		
			Polo-shirts AMF4	230 g/m ²	580A, 742A	35 (EBT)	3	26					•	
			Shirts APIC	180 g/m ²	065V, 068V,076V	12,6	2	11,5					•	
			Sweater AMR5	310 g/m ²	549A, 616A,635A	30,8 (EBT)	3	29	92,5					•
			Sweater AMPJ	350 g/m ²	650A	13,9	2	12,3					•	
			Fleece ATF7	350 g/m ²	7690, 9854,9896	24,7	2	21,1						
			Softshell ATV4	350 g/m ²	7332, 7334,9705, 9633,9634	30,0	3	25,1						•
			Sio-Safe™ Essential Light APIR	245 g/m ²	074V, 075V	14,1	2	12,7						•
			Sio-Safe™ Essential Light APFB	260 g/m ²	009V, 010V, 012V, 013V, 017V, 018V, 088V	15,1	2	13,3						•
			Sio-Safe™ Essential APFA	350 g/m ²	008V, 009V, 010V, 011V, 012V, 013V, 014V, 015V, 016V, 017V, 018V, 066V, 067V, 072V, 073V, 088V	20,9	2	16,8						
			Sio-Safe™ Essential Eco APJH	320 g/m ²	084V, 085V, 086V, 087V	16,7	2	14,8						
			Sio-Safe™ Extra Light APIP	260 g/m ²	020V, 022V,026V, 077V,078V, 081V,850V, 892V	27	3	25						•
			Sio-Safe™ Extra Eco APF9	300 g/m ²	019V, 020V, 021V, 022V, 023V, 024V, 026V, 031V, 079V, 080V, 082V	14,5	2	12,7						•
Sio-Safe™ Extra APFD	320 g/m ²	020V, 022V, 024V, 026V	14,5	2	12,7						•			
Sio-Safe™ Supra APIT (with lining)	400 g/m ²	057V, 058V, 059V, 060V	25,7	3	25,1						•			
Underwear AMPC	180 g/m ²	2689, 2690, 501A, 502A 518A, 519A, 539A, 540A	Sio-Safe™ Essential APFA	350 g/m ²	008V, 009V, 010V, 011V, 012V, 013V, 014V, 015V, 016V, 017V, 018V, 066V, 067V, 072V, 073V, 088V	17,3	2	14,3	87,3		•			
Polo shirts A1P0	215g/m ²	554A, 610A	Softshell ATV4	350g/m ²	7332, 7334, 9705, 9633, 9634	35	3	27						
			Siopor® ExcellArc AET2 (without lining)	270g/m ²	7229, 7329, 7330, 7331, 7333, 7429, 7430	14,64	2							

Italic & • = Deducted **Bold & •** = Tested

Continued on the next page →

First layer: ARC bodywear

First layer			+	Second layer			=	Combination						
Type	Weight	Styles	Type	Weight	Styles	ATPV/ EBT (cal/cm ²)	PPE Cate- gory	ELIM	HAF%	LOI%	ARC CL 1	ARC CL 2		
Polo-shirts AMR2A	220 g/m ²	496A, 527A, 542A, 581A, 807A	Shirts APIC	180 g/m ²	065V, 068V,076V	13,5	2	12,3			•			
			Sweater AMR5	310 g/m ²	549A, 616A,635A	20,6	2	17,9						
			Sweater AMPJ	310 g/m ²	650A	14,8	2	13,1				•		
			Fleece ATF7	350 g/m ²	7690, 9854,9896	38,4	3	31,3	92,3					•
			Softshell ATV4	350 g/m ²	7332, 7334,9705, 9633,9634	44,9	4	42,2	93,2					•
			Sio-Safe™ Essential Light APIR	245 g/m ²	074V	15,0	2	13,5					•	
			Sio-Safe™ Essential Light APFB	260 g/m ²	009V, 010V, 017V, 018V	16,0	2	14,1					•	
			Sio-Safe™ Essential APFA	350 g/m ²	008V, 009V,010V, 016V,017V, 018V,066V, 072V	44,8	4	41	94,2					•
			Sio-Safe™ Essential Eco APJH	320 g/m ²	086V, 087V	17,6	2	15,6					•	
			Sio-Safe™ Extra Light APIP	260 g/m ²	020V, 026V, 077V,850V, 892V	14,6	2	12,9					•	
			Sio-Safe™ Extra Eco APF9	300 g/m ²	019V, 020V,026V, 031V,079V	15,4	2	13,5						•
			Sio-Safe™ Extra APFD	320 g/m ²	020V, 026V	15,4	2	13,5						•
			Sio-Safe™ Supra APIT (with lining)	320 g/m ²	057V, 059V	26,6	3	25,9						•
			Sio-Safe™ Aqua ALK2 (with lining)	495 g/m ²	7227, 7240,1005, 1006	47,1	4	42,5						•
			Siopor ² ExcellArc AET2 (without lining)	270 g/m ²	5908, 7229, 7329,7330, 7331,7333, 7429,7430	15,7	2	14,2						
Siopor ² ExcellArc AET2 (with lining APVF)	400 g/m ²	7530	34,6	3	31,9						•			
Sio-Safe™ Extra Eco APJD (with linings)	550 g/m ²	7297	28,6	3	25,9						•			
Polo shirts AMF4	230 g/m ²	580A, 742A	Shirts APIC	180 g/m ²	065V, 068V,076V	21,6	2	16,4						
			Sweater AMR5	310 g/m ²	549A, 616A,635A	28,7	3	22,0					•	
			Sweater AMPJ	350 g/m ²	650A	22,9	2	17,2						
			Fleece ATF7	350 g/m ²	7690, 9854,9896	33,7	3	26,0						•
			Softshell ATV4	350 g/m ²	7332, 7334,9705, 9633,9634	39,0	3	30,0						•
			Sio-Safe™ Essential Light APIR	245 g/m ²	074V	23,1	2	17,6						
			Sio-Safe™ Essential Light APFB	260 g/m ²	009V, 010V, 017V, 018V	24,1	2	18,2						
			Sio-Safe™ Essential APFA	350 g/m ²	008V, 009V,010V, 016V,017V, 018V,066V, 072V	29,9	3	21,7						•

Italic & • = Deducted **Bold & •** = Tested

Continued on the next page →

First layer: ARC bodywear



First layer			+	Second layer			=	Combination						
Type	Weight	Styles	Type	Weight	Styles	ATPV/ EBT (cal/cm ²)	PPE Cate- gory	ELIM	HAF%	LOI%	ARC CL 1	ARC CL 2		
Polo shirts AMF4	230 g/m ²	580A, 742A	Sio-Safe™ Essential Eco APJH	320 g/m ²	086V, 087V	25,7	3	19,7				•		
			Sio-Safe™ Extra Light APIP	260 g/m ²	020V, 026V, 077V,850V, 892V	22,7	2	17,0						
			Sio-Safe™ Extra Eco APF9	300 g/m ²	019V, 020V,026V, 031V,079V	23,5	2	17,6						
			Sio-Safe™ Extra APFD	320 g/m ²	020V, 026V	23,5	2	17,6						
			Sio-Safe™ Supra APIT (with lining)	400 g/m ²	057V, 059V	34,7	3	30,0					•	
			Sio-Safe™ Aqua ALK2 (with lining)	495 g/m ²	7227, 7240,1005, 1006	55,2	4	46,6						•
			Siopor® ExcellArc AET2 (without lining)	270 g/m ²	5908, 7229, 7329,7330, 7331,7333, 7429,7430	23,8	2	18,3						
			Siopor® ExcellArc AET2 (with lining APVF)	400 g/m ²	7530	42,7	4	36,0						•
			Sio-Safe™ Extra Eco APJD (with linings)	550 g/m ²	7297	36,7	3	30,0						•
Shirts APIC	180 g/m ²	065V, 068V, 076V	Sweater AMR5	310 g/m ²	549A, 616A,635A	20,9	2	18,4						
			Sweater AMPJ	350 g/m ²	650A	15,1	2	13,6				•		
			Fleece ATF7	350 g/m ²	7690, 9854,9896	25,9	3	22,4					•	
			Softshell ATV4	350 g/m ²	7332, 7334,9705, 9633,9634	33,2	3	28,9	92,4					•
			Sio-Safe™ Essential Light APIR	245 g/m ²	074V	15,3	2	14,0					•	
			Sio-Safe™ Essential Light APFB	260 g/m ²	009V, 010V, 017V, 018V	16,3	2	14,6						
			Sio-Safe™ Essential APFA	350 g/m ²	008V, 009V,010V, 016V,017V, 018V,066V, 072V	21	2	19						•
			Sio-Safe™ Essential Eco APJH	320 g/m ²	086V, 087V	17,9	2	16,1						
			Sio-Safe™ Extra Light APIP	260 g/m ²	020V, 026V, 077V,850V, 892V	14,9	2	13,4					•	
			Sio-Safe™ Extra Eco APF9	300 g/m ²	019V, 020V,026V, 031V,079V	18	2	16						•
			Sio-Safe™ Extra APFD	320 g/m ²	020V, 026V	15,7	2	14,0						
			Sio-Safe™ Supra APIT (with lining)	400 g/m ²	057V, 059V	26,9	3	26,4						•
			Sio-Safe™ Aqua ALK2 (with lining)	495 g/m ²	7227, 7240, 1005, 1006	47,4	4	43,0						•
			Siopor® ExcellArc AET2 (without lining)	270 g/m ²	5908, 7229, 7329,7330, 7331,7333, 7429,7430	16,0	2	14,7						
			Siopor® ExcellArc AET2 (with lining APVF)	400 g/m ²	7530	34,9	3	32,4						•
Sio-Safe™ Extra Eco APJD (with linings)	550 g/m ²	7297	28,9	3	26,4						•			

Italic & • = Deducted **Bold & •** = Tested

ARC CONFIGURATOR - FIRST LAYER ARC THERMAL WEAR

Some examples with **ARC thermal wear as a first layer**

Example 01

First layer		Second layer	
Sweater - 549AA2MR5		Sio-Safe™ Essential - 009VA2PFA	
			
IEC 61482-1-2: Class 1	IEC 61482-1-1: 12 cal/cm ² (ELIM) 14 cal/cm ² (EBT)	IEC 61482-1-2: Class 1	IEC 61482-1-1: 11,7 cal/cm ² (ELIM) 15,2 cal/cm ² (ATPV)
549AA2MR5 + 009VA2PFA			
IEC 61482-1-2: Class 2		IEC 61482-1-1: 46 cal/cm ² (ELIM) 50,2 cal/cm ² (EBT)	

Example 02

First layer		Second layer	
Fleece - 9896N3TF7		Sio-Safe™ Essential - 010VA2PFA	
			
IEC 61482-1-2: Class 1	IEC 61482-1-1: 16 cal/cm ² (ELIM) 19 cal/cm ² (EBT)	IEC 61482-1-2: Class 1	IEC 61482-1-1: 11,7 cal/cm ² (ELIM) 15,2 cal/cm ² (ATPV)
9896N3TF7 + 010VA2PFA			
IEC 61482-1-2: Class 2		IEC 61482-1-1: 27,7 cal/cm ² (ELIM) 34,2 cal/cm ² (ATPV)	

First layer: ARC thermal wear

Please find the configuration options that are possible when using

ARC thermal wear as a first layer in your multilayer garment configuration below.



First layer			+	Second layer			=	Combination							
Type	Weight	Styles	Type	Weight	Styles	ATPV/ EBT (cal/cm ²)	PPE Cate- gory	ELIM	HAF%	LOI%	ARC CL 1	ARC CL 2			
Sweater AMR5	310 g/m ²	549A, 616A, 635A	Softshell ATV4	350 g/m ²	7332, 7334,9705, 9633,9634	38,3	3	32,0				•			
			Sio-Safe™ Essential Eco APJH	320 g/m ²	086V, 087V	25,0	3	21,7					•		
			Sio-Safe™ Essential APFA	350 g/m ²	008V, 009V, 010V, 016V, 017V, 018V, 066V, 072V,	50,2 (EBT)	4	46	95,8					•	
			Sio-Safe™ Extra Eco APF9	300 g/m ²	019V, 020V, 026V, 031V, 079V	22,8	2	19,6							
			Sio-Safe™ Extra APFD	320 g/m ²	020V, 026V	22,8	2	19,6							
			Sio-Safe™ Supra APIT (with lining)	400 g/m ²	057V, 059V	34,0	3	32,0						•	
			Sio-Safe™ Aqua ALK2 (with lining)	495 g/m ²	7227, 7240, 1005, 1006	54,5	4	48,6						•	
			Siopor® ExcellArc AET2 (without lining)	270 g/m ²	5908, 7229, 7329, 7330, 7331, 7333, 7429, 7430	23,1	2	20,3							
			Siopor® ExcellArc AET2 (with lining APVF)	400 g/m ²	7530	42,0	4	38,0							•
Sio-Safe™ Extra Eco APJD (with linings)	550 g/m ²	7297	36,0	3	32,0							•			
Fleeces ATF7	350 g/m ²	7690, 9854, 9896	Sio-Safe™ Essential APFA	350 g/m ²	008V, 009V, 010V, 016V, 017V, 018V, 066V, 072V	34,2	3	27,7					•		
			Sio-Safe™ Essential Eco APJH	320 g/m ²	086V, 087V	30,0	3	25,7						•	
			Sio-Safe™ Extra Eco APF9	300 g/m ²	019V, 020V, 026V, 031V, 079V	27,8	3	23,6						•	
			Sio-Safe™ Extra APFD	320 g/m ²	020V, 026V	27,8	3	23,6						•	
			Sio-Safe™ Supra APIT (with lining)	400 g/m ²	057V, 059V	39,0	3	36,0						•	
			Sio-Safe™ Aqua ALK2 (with lining)	495 g/m ²	7227, 7240, 1005, 1006	59,5	4	52,6						•	
			Siopor® ExcellArc AET2 (without lining)	270 g/m ²	5908, 7229, 7329, 7330, 7331, 7333, 7429, 7430	28,1	3	24,3							•
			Siopor® ExcellArc AET2 (with lining APVF)	400 g/m ²	7530	47,0	4	42,0							•
			Sio-Safe™ Extra Eco APJD (with linings)	550 g/m ²	7297	41,0	4	36,0							•
Fleeces ATF6	260 g/m ²	7870	Siopor® ExcellArc AET2 (without lining)	270 g/m ²	5908, 7229, 7329, 7330, 7331, 7333, 7429, 7430	38 (EBT)	3	33					•		
Softshells ATV4	350g/m ²	7332, 7334, 9705, 9633, 9634	Sio-Safe™ Aqua ALK2 (with lining)	495 g/m ²	7227, 7240, 1005, 1006	64,8	4	56,6					•		
			Siopor® ExcellArc AET2 (without lining)	270 g/m ²	7229, 7329, 7330, 7331, 7333, 7429, 7430	51,65	4	45					•		
			Siopor® ExcellArc AET2 (with lining APVF)	400 g/m ²	7530	52,3	4	46,0						•	
			Sio-Safe™ Extra Eco APJD (with linings)	550 g/m ²	7297	46,3	4	40,0						•	

Italic & • = Deducted **Bold & • = Tested**



ARC CONFIGURATOR - FIRST LAYER ARC WORKWEAR

Some examples with **ARC Workwear** as a first layer

Example 01

<p>First layer</p> <p>Sio-Safe™ Essential - 010VA2PFA</p>		+	<p>Second layer</p> <p>Sio-Safe™ Aqua - 7227N2LK2</p>	
				
IEC 61482-1-2: Class 1	IEC 61482-1-1: 11,7 cal/cm ² (ELIM) 15,2 cal/cm ² (ATPV)		IEC 61482-1-2: Class 2	IEC 61482-1-1: 36,6 cal/cm ² (ELIM) 40,5 cal/cm ² (ATPV)
010VA2PFA + 7227A2LK2				
IEC 61482-1-2: Class 2		=	IEC 61482-1-1: 49,3 cal/cm ² (ELIM) 55,2 cal/cm ² (ATPV)	

Example 02

<p>First layer</p> <p>Sio-Safe™ Extra - 019VA2PF9</p>		+	<p>Second layer</p> <p>Sio-Safe™ Aqua - 7227N2LK2</p>	
				
IEC 61482-1-2: Class 1	IEC 61482-1-1: 7,6 cal/cm ² (ELIM) 8,8 cal/cm ² (ATPV)		IEC 61482-1-2: Class 2	IEC 61482-1-1: 36,6 cal/cm ² (ELIM) 40,5 cal/cm ² (ATPV)
019VA2PF9 + 7227A2LK2				
IEC 61482-1-2: Class 2		=	IEC 61482-1-1: 44,2 cal/cm ² (ELIM) 49,3 cal/cm ² (ATPV)	

First layer: ARC workwear

Please find the configuration options that are possible when using **ARC workwear as a first layer** in your multilayer garment configuration below.

First layer			+	Second layer			=	Combination					
Type	Weight	Styles	Type	Weight	Styles	ATPV/ EBT (cal/cm ²)	PPE Cate- gory	ELIM	HAF%	LOI%	ARC CL 1	ARC CL 2	
Sio-Safe™ Essential Light APIR	245g/m ²	074V, 075V	Softshell ATV4	350g/m ²	7332, 7334,9705, 9633,9634	32,7	3	27,6				•	
			Sio-Safe™ Aqua ALK2 (with lining)	495g/m ²	7227, 7240, 1004,1005, 1006	48,9	4	44,2				•	
			Siopor® ExcellArc AET2 (without lining)	270g/m ²	1107, 5908, 7229, 7329,7330, 7331,7333, 7429,7430, 7276, 7277	17,5	2	15,9					
			Siopor® ExcellArc AET2 (with lining APVF)	400 g/m ²	7530	36,4	3	33,6					•
			Sio-Safe™ Extra Eco APJD (with linings)	550 g/m ²	7297	30,4	3	27,6					•
Sio-Safe™ Essential Light APFB	260 g/m ²	009V,010V, 012V, 013V, 017V, 018V, 088V	Softshell ATV4	350g/m ²	7332, 7334,9705, 9633,9634	33,7	3	28,2				•	
			Sio-Safe™ Aqua ALK2 (with lining)	495g/m ²	7227, 7240, 1004,1005, 1006	49,9	4	44,8					•
			Siopor® ExcellArc AET2 (without lining)	270g/m ²	1107, 5908, 7229, 7329,7330, 7331,7333, 7429,7430, 7276, 7277	18,5	2	16,5					
			Siopor® ExcellArc AET2 (with lining APVF)	400 g/m ²	7530	37,4	3	34,2					•
			Sio-Safe™ Extra Eco APJD (with linings)	550 g/m ²	7297	31,4	3	28,2					•
Sio-Safe™ Essential APFA	350 g/m ²	008V, 009V, 010V, 011V, 012V, 013V, 014V, 015V, 016V, 017V, 018V, 066V, 067V, 072V, 073V, 088V	Softshell ATV4	350g/m ²	7332, 7334,9705, 9633,9634	39,5	3	31,7				•	
			Sio-Safe™ Aqua ALK2 (with lining)	495g/m ²	7227, 7240, 1004, 1005, 1006	55,2	4	49,3	96				•
			Siopor® ExcellArc AET2 (without lining)	270g/m ²	1107, 5908, 7229, 7329,7330, 7331,7333, 7429,7430, 7276, 7277	24,3	2	20,0					•
			Siopor® ExcellArc AET2 (with lining APVF)	400 g/m ²	7530	43,2	4	37,7					•
			Sio-Safe™ Extra Eco APJD (with linings)	550 g/m ²	7297	37,2	3	31,7					•
Sio-Safe™ Essential Eco APJH	320 g/m ²	084V, 085V, 086V, 087V	Softshell ATV4	350g/m ²	7332, 7334, 9705, 9633, 9634	35,3	3	29,7				•	
			Sio-Safe™ Aqua ALK2 (with lining)	495g/m ²	7227, 7240, 1004, 1005, 1006	51,5	4	46,3					•
			Siopor® ExcellArc AET2 (without lining)	270g/m ²	1107, 5908, 7229, 7329, 7330, 7331, 7333, 7429, 7430, 7276, 7277	20,1	2	18,0					
			Siopor® ExcellArc AET2 (with lining APVF)	400 g/m ²	7530	39,0	3	35,7					•
			Sio-Safe™ Extra Eco APJD (with linings)	550 g/m ²	7297	33,0	3	29,7					•

Italic & • = Deducted **Bold & • = Tested**

Continued on the next page →

First layer			+	Second layer			=	Combination					
Type	Weight	Styles	Type	Weight	Styles	ATPV/ EBT (cal/cm ²)	PPE Cate- gory	ELIM	HAF%	LOI%	ARC CL 1	ARC CL 2	
Sio-Safe™ Extra Eco APF9	300 g/m ²	019V, 020V, 021V, 022V, 023V, 024V, 026V, 031V, 079V, 080V, 082V	Softshell ATV4	350g/m ²	7332, 7334, 9705, 9633, 9634	38	3	32				●	
			Sio-Safe™ Aqua ALK2 (with lining)	495g/m ²	7227, 7240, 1004, 1005, 1006	49,3	4	44,2				●	
			Siopor® ExcellArc AET2 (without lining)	270g/m ²	1107, 5908, 7229, 7329, 7330, 7331, 7333, 7429, 7430, 7276, 7277	17,9	2	15,9					
			Siopor® ExcellArc AET2 (with lining APVF)	400 g/m ²	7530	36,8	3	33,6					●
			Sio-Safe™ Extra Eco APJD (with linings)	550 g/m ²	7297	30,8	3	27,6					
Sio-Safe™ Extra APFD	320 g/m ²	020V, 022V, 024V, 026V	Softshell ATV4	350g/m ²	7332, 7334, 9705, 9633, 9634	33,1	3	27,6					●
			Sio-Safe™ Aqua ALK2 (with lining)	495g/m ²	7227, 7240, 1004, 1005, 1006	49,3	4	44,2					●
			Siopor® ExcellArc AET2 (without lining)	270g/m ²	1107, 5908, 7229, 7329, 7330, 7331, 7333, 7429, 7430, 7276, 7277	17,9	2	15,9					
			Siopor® ExcellArc AET2 (with lining APVF)	400 g/m ²	7530	36,8	3	33,6					●
			Sio-Safe™ Extra Eco APJD (with linings)	550 g/m ²	7297	30,8	3	27,6					
Sio-Safe™ Extra Light APJP	260g/m ²	020V, 022V, 026V, 077V, 078V, 081V, 850V, 892V	Softshell ATV4	350g/m ²	7332, 7334, 9705, 9633, 9634	32,3	3	27,0					●
			Sio-Safe™ Aqua ALK2 (with lining)	495g/m ²	7227, 7240, 1004, 1005, 1006	48,5	4	43,6					●
			Siopor® ExcellArc AET2 (without lining)	270g/m ²	1107, 5908, 7229, 7329, 7330, 7331, 7333, 7429, 7430, 7276, 7277	39	3	29					●
			Siopor® ExcellArc AET2 (with lining APVF)	400 g/m ²	7530	36,0	3	33,0					●
			Sio-Safe™ Extra Eco APJD (with linings)	550 g/m ²	7297	30,0	3	27,0					

Italic & ● = Deducted **Bold & ●** = Tested



Hedland
7223N3EF7
+
Gladstone
5729N3EF7

ARC CONFIGURATOR - 3 GARMENT SYSTEMS

Some examples with a **multilayer garment configuration of 3 garments**

Example 01

First layer Shirt - 462AA2MF2	Second layer Polo shirt - 581AA2MR2	Third layer Softshell - 9705A2TV4
		
IEC 61482-1-2: Class 1	IEC 61482-1-1: 5,1 cal/cm ² (ELIM) 5,7 cal/cm ² (EBT)	IEC 61482-1-2: Class 1
	IEC 61482-1-1: 5,9 cal/cm ² (ELIM) 6,6 cal/cm ² (EBT)	IEC 61482-1-1: 20 cal/cm ² (ELIM) 24,3 cal/cm ² (ATPV)
462AA2MF2 + 581AA2MR2 + 9705A2TV4		
IEC 61482-1-2: Class 2		IEC 61482-1-1: 48 cal/cm ² (ELIM) 52,2 cal/cm ² (EBT)

Example 02

First layer Polo shirt - 581AA2MR2	Second layer Softshell - 9705A2TV4	Third layer Siopor® Excell - 7330A2ET2
		
IEC 61482-1-2: Class 1	IEC 61482-1-1: 5,9 cal/cm ² (ELIM) 6,6 cal/cm ² (EBT)	IEC 61482-1-2: Class 1
	IEC 61482-1-1: 20 cal/cm ² (ELIM) 24,3 cal/cm ² (ATPV)	IEC 61482-1-1: 8,3 cal/cm ² (ELIM) 9,1 cal/cm ² (ATPV)
581AA2MR2 + 9705A2TV4 + 7330A2ET2		
IEC 61482-1-2: Class 2		IEC 61482-1-1: 34,2 cal/cm ² (ELIM) 40 cal/cm ² (ATPV)

3 garment systems

Please find the configuration options that are possible when using a **multilayer garment configuration of 3 garments** in your multilayer garment configuration below.

First layer			+	Second layer			+	Third layer			=	Combination				
Type	Weight	Styles	Type	Weight	Styles	Type	Weight	Styles	ATPV/ EBT (cal/cm ²)	PPE Category	ELIM	HAF%	LOI%	ARC CL 1	ARC CL 2	
Underwear AMF2	220 g/m ²	462A	Polo-shirts AMR2A	220 g/m ²	496A, 527A, 542A, 581A, 807A	Softshell ATV4	350 g/m ²	7332, 7334, 9705, 9633, 9634	52,2 (EBT)	4	48	93,6			•	
Underwear AMF2	220 g/m ²	462A	Polo-shirts AMF4	230 g/m ²	580A, 742A	Softshell ATV4	350 g/m ²	7332, 7334, 9705, 9633, 9634	44,7	4	35,1				•	
Polo-shirts AMF4	230 g/m ²	580A, 742A	Fleece ATF7	350 g/m ²	7690, 9854, 9896	Sio-Safe™ Aqua ALK2 (with lining)	495 g/m ²	7227, 7240, 1005, 1006	74,2	4	62,6				•	
Polo-shirts AMR2A	220 g/m ²	496A, 527A, 542A, 581A, 807A	Softshell ATV4	350 g/m ²	7332, 7334, 9705, 9633, 9634	Siopor® ExcellArc AET2 (without lining)	270 g/m ²	7229, 7329, 7330, 7331, 7333, 7429, 7430	40	4	34,2				•	

Italic & • = Deducted **Bold & •** = Tested

BODYWEAR

ARC UNDERWEAR

Tiolo

462AA2MF2



B97 Navy blue

Glato

463AA2MF2



B97 Navy blue

Artig

559AA2MF2



B97 Navy blue

Togny

560AA2MF2



B97 Navy blue

ARC POLO SHIRTS

Forbes

496AA2MR2



B75 Navy blue

Telfs

581AA2MR2



017 Navy/Hi-vis yellow



Elgin

527AA2MR2



FY1 Hi-Vis Yellow

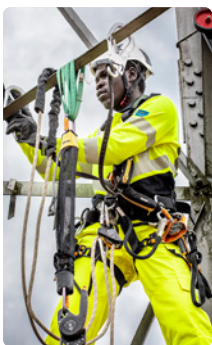
NEW

Augustine

807AA2MR2



FY1 Hi-Vis Yellow



Ardva

542AA2MR2



278 Hi-Vis Yellow/Navy



NEW

Epsom

742AA2MF4



065 Hi-Vis Yellow/Navy

NEW

Bladel

580AA2MF4



B90 Navy blue



Lerby

554AA21P0



FC1 Hi-Vis Orange

Dronten

610AA21P0



FC1 Hi-Vis Orange

NEW

Amelia

806AA21P0



FC1 Hi-Vis Orange





Colne
068VA2PIC

ARC SHIRTS

Kendal
065VA2PIC



B98 Navy blue

Colne
068VA2PIC



049 Hi-Vis Yellow/Navy

Rufford
076VA2PIC



987 Navy/Hi-vis yellow



THERMAL WEAR

ARC CAPS

Heron
1007N2TF7



B75 Navy blue

Kolding
368AC2MXD



B75 Navy blue

Utby
1928N2TF7



B75 Navy blue
FY1 Hi-Vis Yellow

ARC FLEECE JACKETS



Arlier
9896N3TF7

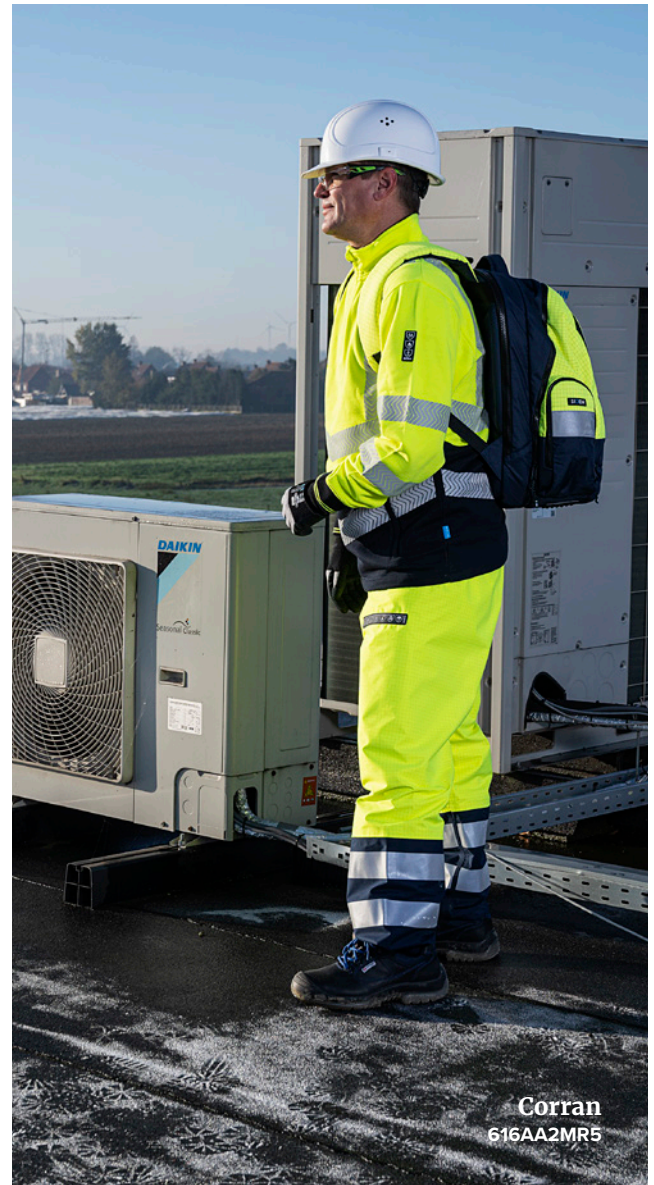


278 Hi-Vis Yellow/Navy

Tobado
7690N4TF7



B75 Navy blue



Corran
616AA2MR5

ARC SWEATERS

Druten
635AA2MR5



B75 Navy blue

Melfi
549AA2MR5



B75 Navy blue

Urbino
9854N3TF7



B75 Navy blue

Corran
616AA2MR5



278 Hi-Vis Yellow/Navy



Kurow
650AA2MPJ



279 Hi-Vis Orange/Navy

ARC SOFTSHELL

Playford
9633N2TV4



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy
952 Hi-Vis Yellow/Grey

Cardinia
9634N2TV4



B75 Navy blue

Hollum
7334A2TV4



FC1 Hi-Vis Orange

Umiat
9705A2TV4



017 Navy/Hi-vis yellow

Heika
7332A2TV4



Multinorm jacket with ARC protection, ladies fit, elongated back, 2 loops for gas detectors, flame retardant segmented reflective striping, 3-layer softshell, wristband with sleeve narrowing.



Heika
7332A2TV4



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy



Playford
9633N2TV4

WORKWEAR

SIO-SAFE™ ESSENTIAL LIGHT

SIO-SAFE™
ESSENTIAL LIGHT

Ramea
009VA2PFB



B98 Navy blue

Moreda
012VN3PFB



B98 Navy blue

NEW
Olar
088VA2PFB



B98 Navy blue



Devona
017VN2PFB



B98 Navy blue
C36 Orange

Vendat
010VA2PFB



049 Hi-Vis Yellow/Navy

Ambok
013VN2PFB



049 Hi-Vis Yellow/Navy

Macas
018VN3PFB



049 Hi-Vis Yellow/Navy

Laruns
074VA2PIR



217 Sailor blue/Hi-vis yellow
249 Navy/Hi-vis yellow



Barcus
075VA2PIR



217 Sailor blue/Hi-vis yellow
249 Navy/Hi-vis yellow



Laruns
074VA2PIR
+
Barcus
075VA2PIR

NEW
Calanques
084VA2PJH



987 Navy/Hi-vis yellow

NEW
Rondane
085VA2PJH



049 Hi-Vis Yellow/Navy

NEW
Komodo
087VA2PJH



049 Hi-Vis Yellow/Navy

Jasper
086VA2PJH

ECO jacket, multinorm jacket with ARC protection, soft, comfortable and breathable, designed for disassembly, 2 loops for gas detectors, wristband with sleeve narrowing, flame retardant reflective tape



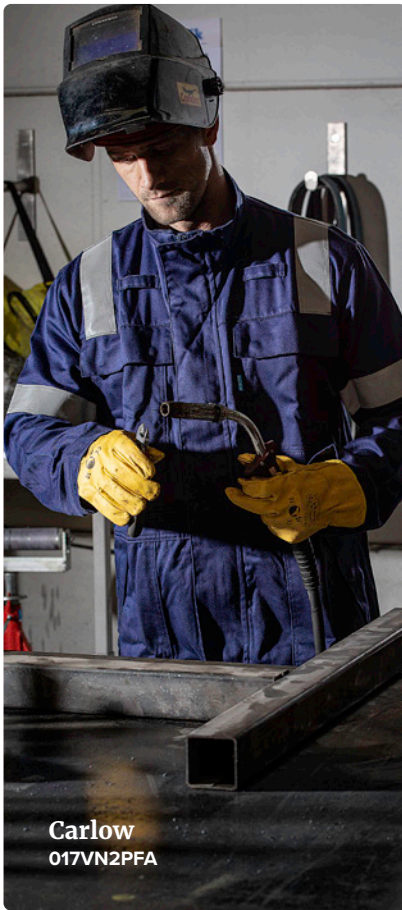
NEW
Jasper
086VA2PJH



987 Navy/Hi-vis yellow



Jasper
086VA2PJH
+
Calanques
084VA2PJH



Carlow
017VN2PFA



Kasie
066VA2PFA

SIO-SAFE™ ESSENTIAL

SIO-SAFE™
ESSENTIAL

Obera
008VA2PFA



H46 Royal Blue
B98 Navy blue
M44 Grey

Zarate
011VN2PFA



H46 Royal Blue
B98 Navy blue
M44 Grey

Valera
014VN2PFA



B98 Navy blue
M44 Grey
H46 Royal Blue

Anaco
016VN2PFA



B98 Navy blue

Montero
009VA2PFA



M44 Grey
B98 Navy blue
H46 Royal Blue

Corinto
012VN3PFA



B98 Navy blue
H46 Royal Blue
M44 Grey

NEW Micco
088VA2PFA



B98 Navy blue

Carlow
017VN2PFA



B98 Navy blue
H46 Royal Blue
C36 Orange
R26 Red

Oroya
072VA2PFA



B98 Navy blue

Casma
073VA2PFA



B98 Navy blue

Kasie
066VA2PFA



049 Hi-Vis Yellow/Navy

Lesha
067VA2PFA



049 Hi-Vis Yellow/Navy

Millau
010VA2PFA



049 Hi-Vis Yellow/Navy

Royan
013VN2PFA



049 Hi-Vis Yellow/Navy

Bayonne
015VN2PFA



049 Hi-Vis Yellow/Navy

Autun
018VN3PFA



049 Hi-Vis Yellow/Navy



Orlu
020VA2PIP
+
Bakki
022VN2PIP

SIO-SAFE™ EXTRA LIGHT

SIO-SAFE™
EXTRA LIGHT

Orlu
020VA2PIP



049 Hi-Vis Yellow/Navy
048 Hi-Vis Orange/Navy

Bakki
022VN2PIP



049 Hi-Vis Yellow/Navy
048 Hi-Vis Orange/Navy

Mornant
026VN2PIP



048 Hi-Vis Orange/
Navy

Ingon
077VA2PIP



FC1 Hi-Vis Orange

Malton
078VA2PIP



FC1 Hi-Vis Orange

Empe
081VA2PIP



FC1 Hi-Vis Orange

Warwick
892VC2PIP



FC1 Hi-Vis Orange



Marrum
850VA2PIP



FC1 Hi-Vis Orange

WORKWEAR



Reggio
020VA2PF9
+
Matour
022VN2PF9

SIO-SAFE™ EXTRA ECO

SIO-SAFE™
EXTRA ECO

Modena
019VA2PF9



H46 Royal Blue
B98 Navy blue

Varese
021VN2PF9



B98 Navy blue
H46 Royal Blue

Gramat
023VN2PF9



B98 Navy blue
H46 Royal Blue

Sartis
079VA2PF9



B98 Navy blue

Rumes
080VA2PF9



B98 Navy blue

Grimma
082VA2PF9



B98 Navy blue

Couvin
031VN2PF9



B98 Navy blue

Reggio
020VA2PF9



049 Hi-Vis Yellow/Navy

Matour
022VN2PF9



049 Hi-Vis Yellow/Navy

Ambier
024VN2PF9



049 Hi-Vis Yellow/Navy

Fareins
026VN2PF9



049 Hi-Vis Yellow/Navy



Lobau
059VA2PIT

SIO-SAFE™ EXTRA

SIO-SAFE™ EXTRA

Larrau
020VA2PFD



048 Hi-Vis Orange/Navy



Arudy
022VN2PFD



048 Hi-Vis Orange/Navy

Viana
024VN2PFD



048 Hi-Vis Orange/Navy

Guardo
026VN2PFD



048 Hi-Vis Orange/Navy

SIO-SAFE™ SUPRA / APC2

SIO-SAFE™ SUPRA

Godern
057VA2PIT



B98 Navy blue

Pathal
061VA2PFD



048 Hi-Vis Orange/Navy

Lobau
059VA2PIT



049 Hi-Vis Yellow/Navy

Hanfeld
058VA2PIT



B98 Navy blue

Leste
062VA2PFD



048 Hi-Vis Orange/Navy

Karden
060VA2PIT



049 Hi-Vis Yellow/Navy

RAINWEAR

SIOPOR™ EXCELL / EXCELL ARC I APC1



Falcon
7229A2ET2



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy



Fondal
7429A2ET2

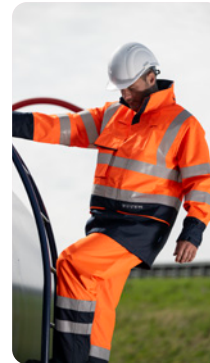


B90 Navy blue

Kaldvik
7329A2ET2



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy



Grindal
7430A2ET2



B75 Navy blue

Beltrum
7333A2ET2



FC1 Hi-Vis Orange

Vaski
7331A2ET2



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy



Aksdal
5908A2ET2



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy

Torvik
7330A2ET2

Premium high-visibility rain jacket with ARC protection, flame-retardant segmented reflective striping, elongated back, lightweight Siopor™ Excell fabric ($\pm 280 \text{ g/m}^2$), hood can be added (not included), YKK zip closure, 2 loops for gas detectors, pre-shaped sleeve ends with sleeve narrowing.



Torvik
7330A2ET2



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy
952 Hi-Vis Yellow/Grey

Akrar
7203A2ET2



B75 Navy blue
M44 Grey

Lopra
7204A2ET2

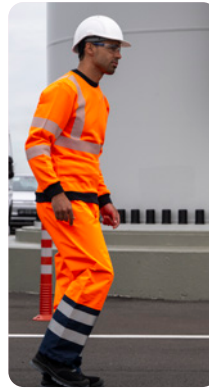


B75 Navy blue

Hovi
7276A2ET2



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy
952 Hi-Vis Yellow/Grey



Ulvik
7277A2ET2



B75 Navy blue

NEW
Winchester
1107A2ET2



FC1 Hi-Vis Orange
FY1 Hi-Vis Yellow

Talsi
7530A2ET2



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy

Bjoldal
5909A2ET2



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy

NEW
Alvin
4025A2ET2



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy

Tigas
7205A2ET2



B75 Navy blue

Frovik
8524A2ET2

High-visibility rain bomber jacket with APC protection, flame-retardant segmented reflective stripes, lightweight Siopor™ Excell fabric ($\pm 280 \text{ g/m}^2$), detachable flame-retardant fleece lining (index 3), wristband with sleeve narrowing, hood can be added (not included), bomber jacket combined with the added lining = APC2, 2 loops for gas detectors, elongated back, elasticated waist.

NEW
Frovik
8524A2ET2



278 Hi-Vis Yellow/Navy
279 Hi-Vis Orange/Navy







RAINWEAR

SIO-SAFE™ AQUA | APC2

SIO-SAFE™ AQUA

Nash
7227N2LK2



143 Hi-Vis Yellow/Navy

Newton
7240A2LK2



BS0 Blue

Kelford
1005A2LK2



143 Hi-Vis Yellow/Navy

Pedley
1004A2LK2



143 Hi-Vis Yellow/Navy

Bowes
1006A2LK2



143 Hi-Vis Yellow/Navy

Anderson
7242A2LE9



BS0 Blue

SIO-SAFE™ EXTRA ECO

SIO-SAFE™ EXTRA ECO

NEW
Glacier
7297A2PJD



278 Hi-Vis Yellow/Navy

NEW
Rea
7299A2PJD



B75 Navy blue

Nash
7227N2LK2

CHEMICAL PROTECTIVE RAINWEAR

FLEXOTHANE® CLASSIC



Banteer
4821N2FC1



S49 Light Green

Drangan
4603N2FC1



S49 Light Green

Dalgin
8133A2FC1



S49 Light Green

CHEMTEX



Essen
5967A2DC1



J40 Green Jade



Botlek
5996A2DC1



J40 Green Jade

CHEMFLEX



Lavrion
8042A2B07



J40 Green Jade

Fombio
8000A2B07

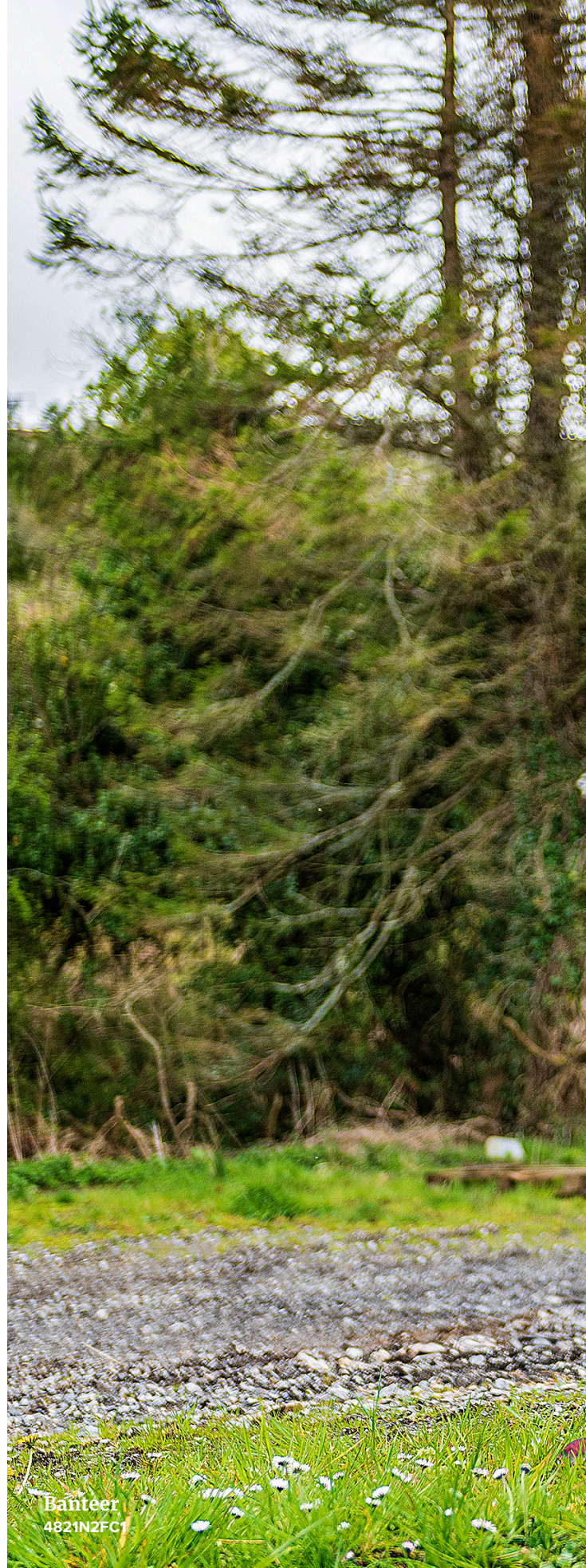


J40 Green Jade

Jarrow
8161A2B07



J40 Green Jade









Cold Storage & Food



COLD STORAGE

NICEWEAR®



Vermont
2123A2PB4



276 Navy/Blue



Zermatt
6105A2PB4



276 Navy/Blue

Matterhorn
6402A2PB4



276 Navy/Blue

Cottier
1038A2PM1



B75 Navy blue

Zinal
1038A2PB4



B75 Navy blue

Nibas
3338A2PM1



278 Hi-Vis Yellow/Navy

Arbus
5238A2PM1



278 Hi-Vis Yellow/Navy

Talau
3438A2PM1



278 Hi-Vis Yellow/Navy

Olmet
5338A2PM1

Cold storage coverall with quilted lining, protects from temperatures down to -40 °C, shoulder reinforcement, hood can be added (not included), sleeve pocket, pen pocket, elasticated waist in the back, pre-shaped sleeve ends with sleeve narrowing.



Olmet
5338A2PM1



278 Hi-Vis Yellow/Navy

FOOD

FLEXOTHANE® KLEEN



FLEXOTHANE® CLASSIC



Morgat

4391A2FK0



W02 White
H45 Royal Blue

Rigi

4415A2FK0



W02 White
H45 Royal Blue

Killybeg

6639A2FK0



W02 White
H45 Royal Blue



Falkenberg

1567A6F01



W02 White

Boulogne

8133A2FK0



W02 White
H45 Royal Blue

Cork (Kleen)

8161A2FK0



W02 White
H45 Royal Blue

Nantou

8195A2FK0



W02 White
H45 Royal Blue

Werдум

4835A2FK0



H45 Royal Blue
W02 White

Karby

6420A2FK0



H45 Royal Blue
W02 White

Dornum

6219A2FK0



W02 White
H45 Royal Blue



Dornum

6219A2FK0

DUOTEX

Quimper

8000A6D01



G55 Green

Bratislava

8042A2D01



G55 Green
W02 White

Rosario

8062A2D01



G55 Green
W02 White



Meet Sioen

Sioen is the name and quality label of the world-renowned textile solution provider. Sioen develops, produces and distributes a wide variety of products within the world of technical textiles: yarns, fibres, colouring solutions, wovens and nonwovens, coated fabrics and protective clothing. Technical superiority is what binds all divisions.

With permanent investments in state-of-the-art machinery, innovation and talent, Sioen continuously lifts its products to new heights.

Sioen's 3 divisions

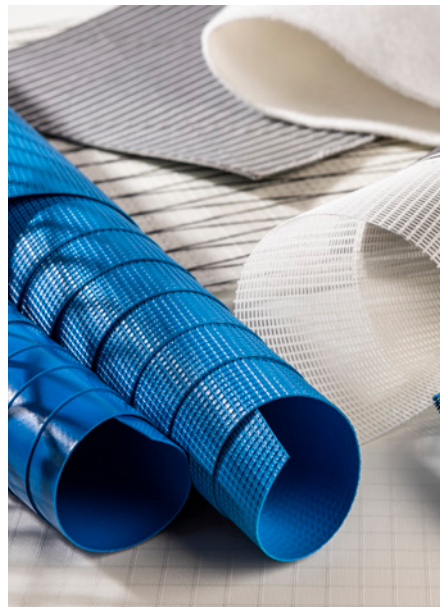


Find out more about [Sioen Industries](https://sioen.com) and its 3 divisions on sioen.com



Sioen Apparel

The number 1 innovator in the domain of high-quality protective clothing.



Sioen Technical Textiles

The world market leader in coated technical textiles



Sioen Chemicals

The specialist in fine chemicals, offering tailor-made colouring solutions.

The Sioen Apparel 'House of brands'

Founded in the 1960s, Sioen Apparel has built up a strong reputation in the protective apparel business. Its broad product range offers protection at work for firefighters, policemen, chainsaw users, rescue workers, windfarm operators, industrial labourers in high-risk environments.

Meet the other brands in the Sioen Apparel 'House of brands' and discover how our group can be **your one-stop shop for all your (work) apparel needs.**



SIP Protection

Protective clothing for forestry & arboriculture

sip-protection.com



Sioen Ballistics

Ballistic protection

sioenballistics.com



Sioen Firefighter Clothing

Firefighter intervention suits

sioenfire.com



Mullion

Floatation garments & life jackets

mullion-pfd.com



Ursuit

Professional drysuits

ursuit.com



Baleno

Hunting, fishing & lifestyle clothing

balenoclothing.com



SYNQ

Workwear

synqworkwear.com

Through close collaboration and a complementary product offer Sioen PPC and SYNQ are perfectly in sync with each other.



Sioen Professional Protective Clothing

sioen-ppc.com

Corporate Social Responsibility (CSR)

Together we can change the world...

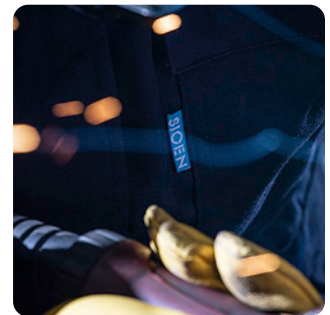
by continuously improving all aspects of sustainability as an integral part of our strategy.



PPC especially designed for women



High-visibility sustainable collection



Siorom, Sioen's Romanian manufacturing plant, is CO₂-neutral



SIOEN PPC

Sioen PPC is **part of the Sioen Group**. As a large international company, we are aware of our social, environmental and economic responsibilities in society. Therefore, **Corporate Social Responsibility is an integral part of our company strategy**.

Sioen's Corporate Social Responsibility

On our dedicated **Corporate Social Responsibility (CSR) website**, you can find the many actions Sioen is involved in. Those include sponsorships, sustainable products, the umbrella associations we are part of and the certificates we hold, among others.



*Interested in finding out more about our actions?
Go to our dedicated Sioen CSR website.*



amfori 
Trade with purpose

**Sioen production plants
audited according to
amfori BSCI**

Our CSR approach

Our CSR approach is based on four different views. The first one is the United Nations' 17 sustainable development goals (**SDGs**), which address the global challenges we face, including poverty, inequality, climate change, environmental degradation, peace and injustice. The second view is based on the Triple Bottom Line framework: **People, Prosperity and planet**. We have added two more "P's": **Partnership and Peace**. This 5 P's approach helps us measure our business when it comes to sustainability.

For the third view, we have selected five topics that we call our Sioen Focal Points. The topics that we will give extra attention to are: energy, waste, sustainable products, credentials and human resources. Our final view focuses on certificates, memberships and awards. They reflect our dedication to CSR-related themes, and they prove that what we're claiming are not just hollow words.



Research & development

At Sioen, we protect through innovation. When developing new materials, methods, processes and applications, our R&D department is our driving force. The department's knowledge, experience and thorough expertise in the field of norms and standards mean that:

- we offer significantly faster development times;
- our products perfectly comply with the norms and standards;
- we are more flexible towards customer needs;
- we develop customised solutions more easily.

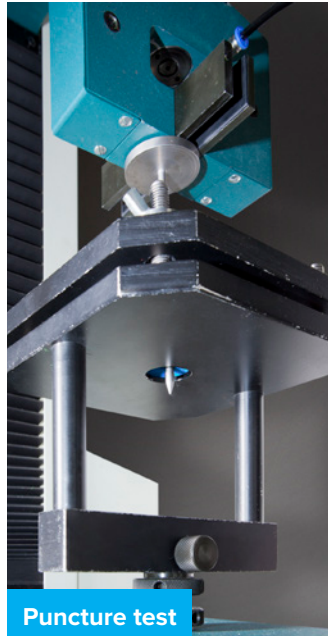


In-house testing laboratory

On top of having our own R&D department, we have an in-house testing laboratory in which we can immediately test innovations ourselves. Below you will find an overview of the tests we perform.



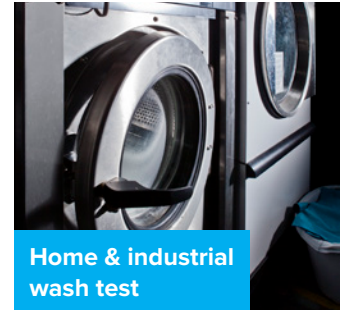
Surface conductivity



Puncture test



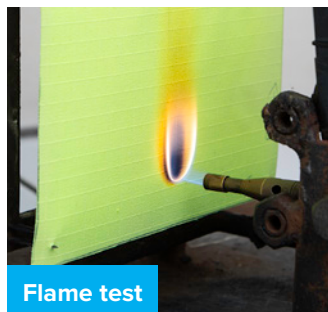
Heat transfer flame



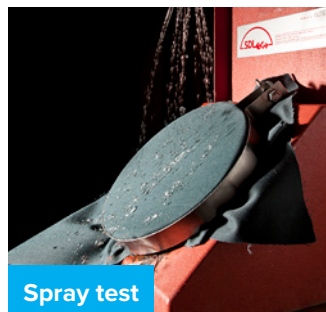
Home & industrial wash test



Rain tower test



Flame test



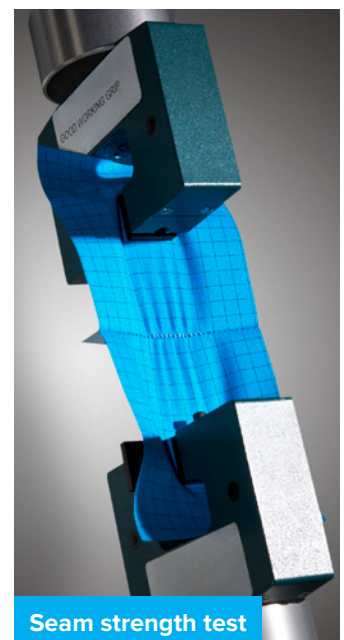
Spray test



Hydrostatic pressure test



Crumple flex test



Seam strength test



SIOEN

SIOEN

Norms and standards



Our protective clothing complies with the latest European standards. Next to each product in this overview catalogue you will find a QR code to our website where you can consult the standards that particular product complies with.

For more information on these European standards, please visit our website.



EN ISO 11611

Protective clothing tested for welding and allied processes



EN 1149-5

Protective clothing with antistatic properties



EN ISO 20471

High-visibility clothing



IEC 61482-2

Protective clothing against the thermal hazards of an electric arc



EN 14605

Protective clothing against liquid chemicals



EN 13034

Protective clothing against liquid chemicals Type 6



EN 343

Protective clothing against rain



EN 14058

Protective clothing against cool environments



EN 342

Protective clothing against cold



EN 13758-2

UV Protective clothing



EN ISO 14116

Protective clothing against flames



EN ISO 11612

Protective clothing against heat and flames

Size table – Men

How to choose the right size?

1	Take your body measurements according to the picture	
2	A: Waist	Measurement horizontally around the waist
	B: Chest	Measurement horizontally under the arms, around the widest part of the chest.
	C: Total body length	Measurement from top of the head to the ground, to be measured without shoes.
	D: Inseam leg length	Measurement from the crotch of the trousers to the ground, to be measured without shoes.
3	All measurements in the table are body measurements. We recommend that measurements are taken while wearing light clothing, do not measure too tightly.	
4	Find the correct size which corresponds with the body measurements in the table.	
5	If you would require a size which deviates from the sizes mentioned in the table, we are happy to manufacture such a garment according to your specific body measurements.	



Bodywear, thermal wear & rainwear

		XS	S	M	L	XL	2XL	3XL	4XL
A	Waist (cm)	66-74	74-82	82-90	90-98	98-106	106-117	117-129	129-141
B	Chest (cm)	78-86	86-94	94-102	102-110	110-118	118-129	129-141	141-153
C	Total body length (cm)	164-172	164-172	172-180	172-180	180-188	180-188	188-196	188-196

EUR		44	46	48	50	52	54	56	58	60	62	64
FR		40	42	44	46	48	50	52	54	56	58	60
DE + NL		42	44	46	48	50	52	54	56	58	60	62
UK		S		M		L		XL		2XL		3XL
UK (inches)		34	36	38	40	41	42	44	46	48	50	52
B	Chest (cm)	86-90	90-94	94-98	98-102	102-106	106-110	110-114	114-118	118-123	123-129	129-135
C	Length (cm)	172-176	174-178	176-180	178-182	180-184	182-186	184-188	186-190	188-192	190-194	192-196

Trousers, bib & brace and coveralls

Short length	EUR	48S	50S	52S	54S	56S	58S	
	FR	42S	44S	46S	48S	50S	52S	
	UK (chest)	38S	40S	41S	42S	44S	46S	
	UK (waist)	33S	34S	36S	38S	40S	42S	
	DE	23	24	25	26	27	28	
	NL	46S	45S	50S	52S	54S	56S	
	A	Waist (cm)	82-86	86-90	90-94	94-98	98-102	102-106
	B	Chest (cm)	94-98	98-102	102-106	106-110	110-114	114-180
	C	Total body length (cm)	168-172	170-174	172-176	174-178	176-180	178-182
	D	Inseam leg length (cm)	77	78	79	80	81	82

Regular length	EUR	44R	46R	48R	50R	52R	54R	56R	58R	60R	62R	64R	
	FR	38R	40R	42R	44R	46R	48R	50R	52R	54R	56R	58R	
	UK (chest)	34R	36R	38R	40R	41R	42R	44R	46R	48R	50R	52R	
	UK (waist)	30R	32R	33R	34R	36R	38R	40R	42R	44R	46R	48R	
	DE	42	44	46	48	50	52	54	56	58	60	62	
	NL	42R	44R	46R	48R	50R	52R	54R	56R	58R	60R	62R	
	A	Waist (cm)	74-78	78-82	82-86	86-90	90-94	94-98	98-102	102-106	106-110	110-114	114-118
	B	Chest (cm)	86-90	90-94	94-98	98-102	102-106	106-110	110-114	114-118	118-123	123-129	129-135
	C	Total body length (cm)	172-176	174-178	176-180	178-182	180-184	182-186	184-188	186-190	188-192	190-194	192-196
	D	Inseam leg length (cm)	79	80	81	82	83	84	85	86	87	88	89

Long length	EUR	46L	48L	50L	52L	54L	56L	
	FR	40L	42L	44L	46L	48L	50L	
	UK (chest)	36L	38L	40L	41L	42L	44L	
	UK (waist)	32L	33L	34L	36L	38L	40L	
	DE	90	94	98	102	106	110	
	NL	44L	46L	48L	50L	52L	54L	
	A	Waist (cm)	78-82	82-86	86-90	90-94	94-98	98-102
	B	Chest (cm)	90-94	94-98	98-102	102-106	106-110	110-114
	C	Total body length (cm)	186-190	188-192	190-194	192-196	194-198	196-200
	D	Inseam leg length (cm)	86	87	88	89	90	91

Size table – Women

How to choose the right size?

1	Take your body measurements according to the picture	
2	A: Waist	Measurement horizontally around the waist
	B: Chest	Measurement horizontally under the arms, around the widest part of the chest.
	C: Total body length	Measurement from top of the head to the ground, to be measured without shoes.
	D: Inseam leg length	Measurement from the crotch of the trousers to the ground, to be measured without shoes.
	E: Hips	Measurement horizontally around the hips
3	All measurements in the table are body measurements. We recommend that measurements are taken while wearing light clothing, do not measure too tightly.	
4	Find the correct size which corresponds with the body measurements in the table.	
5	If you would require a size which deviates from the sizes mentioned in the table, we are happy to manufacture such a garment according to your specific body measurements.	





Bodywear, thermal wear & rainwear

SIZE		2XS	XS	S	M	L	XL	2XL	3XL	4XL
A	Waist (cm)	50-58	58-66	66-74	74-82	82-91	91-103	103-115	115-127	127-139
B	Chest (cm)	66-74	74-82	82-90	90-98	98-107	107-119	119-131	131-143	143-155
C	Total body length (cm)	156-164	156-164	156-164	164-172	164-172	172-180	172-180	180-188	180-188
E	Hips (cm)	74-82	82-90	90-98	98-106	106-115	115-125	125-135	135-145	145-155

Multinorm workwear, Jackets

SIZE		30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64
A	Waist (cm)	66-70	70-74	74-78	78-82	82-86	86-90	90-94	97-98	98-102	102-106	106-110	110-114	114-118	118-123	123-129	129-135	135-141	141-147
B	Chest (cm)	70-74	74-78	78-87	82-86	86-90	90-94	94-98	98-102	102-106	106-110	110-114	114-118	118-123	123-129	129-135	135-141	141-147	147-153
C	Total body length (cm)	156-160	156-160	156-160	160-164	160-164	164-168	164-168	168-172	168-172	172-176	172-176	172-176	176-180	176-180	180-184	180-184	184-188	184-188

Trousers, bib & brace and coveralls

SIZE		30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64
A	Waist (cm)	66-70	70-74	74-78	78-82	82-86	86-90	90-94	97-98	98-102	102-106	106-110	110-114	114-118	118-123	123-129	129-135	135-141	141-147
B	Chest (cm)	70-74	74-78	78-87	82-86	86-90	90-94	94-98	98-102	102-106	106-110	110-114	114-118	118-123	123-129	129-135	135-141	141-147	147-153
C	Total body length (cm)	156-160	156-160	156-160	160-164	160-164	164-168	164-168	168-172	168-172	172-176	172-176	172-176	176-180	176-180	180-184	180-184	184-188	184-188
D	Inseam leg length (cm)	80,5	80,5	80,5	80,5	80,5	80,5	80,5	80,5	80,5	80,5	80,5	80,5	80,5	80,5	80,5	80,5	80,5	80,5



Wash & care

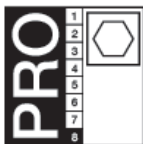
Below, you can find an overview of all laundry symbols we use in our Sioen PPC clothing. Please always check the care label inside your garment. Depending on the fabric used, you'll find different instructions.



	Normal washing at advised temperature
	Max. at the advised temperature / reduced mechanical action / rinsing at decreasing temperature (cooling down) / reduced spinning
	Hand wash only / no machine wash / max. 40° / handle with care
	Do not wash
	Do not use chlorine-based bleach
	Tumble drying / normal cycle
	Tumble drying / lower cycle
	Do not tumble dry
	All solvents normally used

	All solvents except trichlorethylene
	Only petroleum solvents and R113
	Limited movements
	Do not dry clean
	High max. 200°C
	Max. 150°C
	Low max. 110°C steam-ironing may be risky
	Do not iron / no steam treatments

Industrial laundering of workwear | EN 15797 (procedure 8)



The methods described in this International Standard simulate the effect of industrial laundering on workwear.

The standard specifies test procedures and equipment which can be used in the evaluation of workwear intended to be industrially laundered. Each washing procedure is considered to represent a single industrial wash. They serve as a basis for testing relevant properties such as e.g. dimensional stability, colourfastness, creasing and seam puckering.

The standard also specifies two drying/finishing test procedures:

- Tumble drying
- Tunnel/cabinet finishing

A complete laundering test consists of a washing and a drying/finishing procedure. For this type of workwear procedure 8 of the standard is applicable at a washing temperature of 75°C followed by tumble drying. The majority of Sioen's multinorm workwear garments are suitable for industrial washing. The flame-retardant properties are tested after minimum 50 industrial washing and drying cycles (or 100 cycles). Conformity to the certified flame-retardant standards is still guaranteed after the indicated number of washing and drying cycles.

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001V	Gimont	48	088V	Olar	72	401A	Powell	38	5806	Ekofisk	51	7240	Newton	81
002V	Novara	48	1004	Padley	81	4025	Alvin	79	580A	Bladel	68	7242	Anderson	81
003V	Altea	48	1005	Kelford	81	404A	Hobson	38	581A	Telfs	68	724Z	Malden	31
004V	Bardi	48	1006	Bowes	81	4144	Bantur	18	5841	Tarviso	40	7253	Carret	51
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008V	Obera	74	1107	Winchester	79	428A	Thoras	38	5909	Bjoldal	79	7297	Glacier	81
009V	Montero	74	1148	Arras	31	4303	Carmaux	34	5967	Essen	82	7299	Rea	81
009V	Ramea	72	131Z	Reims	30	436A	Palmer	20	598Z	Monoco	37	7329	Kaldvik	78
010V	Millau	74	132Z	Brighton	40	437A	Rowe	20	5996	Botlek	82	7330	Torvik	78
010V	Vendat	72	1567	Falkenberg	87	4391	Morgat	87	5SAB	Stockton	41	7331	Vaski	78
011V	Zarate	74	1666	Bravone	47	440A	Cabin	38	5U01	Ceton	20	7332	Heika	71
012V	Corinto	74	166A	Anfield	39	4415	Rigi	87	603Z	Cumbria	21	7333	Beltrum	78
012V	Moreda	72	167A	Drayton	31	442Z	Toro	16	608Z	Tornhill	21	7334	Hollum	71
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013V	Ambok	72	169Z	Brest	20	4448	Flensburg	40	610A	Dronen	68	7429	Fondal	78
014V	Valera	74	169A	Burton	31	4500	Rotterdam	19	611Z	Durango	16	742A	Epsom	68
015V	Bayonne	74	1785	Erfurt	34	4507	Ascot	19	612A	Casbas	27	7430	Grindal	78
016V	Anaco	74	1874	Oregon	51	4570	Auckland	19	612Z	Merida	16	7530	Talsi	79
017V	Carlów	74	191A	Adelans	20	4600	Louisiana	19	6133	Brisbane	49	7650	Tacana	34
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018V	Macas	72	199A	Bitoray	37	463A	Glato	68	6218	Herford	18	7760	Liberchies	46
019V	Modena	76	2006	Stormflash	41	4644	Toscana	19	6219	Dornum	87	7761	Molenbaix	46
020V	Ramea	76	209A	Skollfield	38	4691	Wellsford	49	622Z	Pulco	17	7771	Dampremy	46
020V	Larrau	77	2123	Vermont	86	4820	Dortmund	19	624Z	Torreón	17	7789	Tarbes	16
020V	Orlu	75	2578	Garnich	47	4821	Banteur	82	625Z	Germo	16	7805	Lindau	16
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022V	Matour	76	2673	Trapani	15	4893	Dover	18	628A	Etton	38	7870	Troston	47
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022V	Bakki	75	2689	Borger	45	4964	Montreal	19	6360	Bangkok	18	799Z	Norvill	37
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024V	Viana	77	288A	Cloverfield	21	497Z	Kingley	30	6402	Matterhorn	86	8000	Quimper	87
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059V	Lobau	77	364A	Campbell	38	523A	Horns	41	681A	Grady	41	9044	Elba	29
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