

PIP

**Ultimate
Industrial**



SAFETY SHOES

2024/25



albatros-work.com

albatros[®]
MADE TO PROTECT

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ALBATROS is one of the leading German brands in the sector of performance safety footwear as well as work & outdoor fashion. All ALBATROS products are designed and developed by an international team of PPE experts in Germany. For over 40 years ALBATROS constantly improves quality, comfort functionality and design. With one goal: to support professionals every day in successfully mastering their challenges!

ALBATROS® - MADE TO PROTECT.



S1P



64.750.0
**AER55 IMPULSE BLACK
BLUE LOW**



64.661.0
LIFT BLUE IMPULSE LOW



64.660.0
LIFT RED IMPULSE LOW



64.630.0
**SPLendid GREEN
GH LOW**

S1PS



64.722.0
LEVITATE ORANGE LOW



64.723.0
LEVITATE ORANGE LOW

S3



63.850.0
**TOFANE BLACK QL
CTX MID**



63.169.0
RUNNER XTS MID



63.622.0
**ULTRATRAIL OLIVE
CTX MID**



64.621.0
ULTRATRAIL GREY LOW



64.870.0
CLIFTON LOW



63.870.0
CLIFTON MID

S3L



64.803.0
TARAVAL BLACK/BLUE LOW



63.804.0
TARAVAL BLACK/BLUE MID

TRAIL INSPIRED. WORK READY.

XTS TRAIL

XTS TRAIL supports you, where other safety shoes give up. Inspired by the challenges of trail running, XTS TRAIL offers optimal cushioning, grip and stability in every area and field of application. Innovative features such as the IMPULSE.FOAM® sole technology, FITFRAME® reinforcement elements and the COA.TEX® membrane make the XTS TRAIL the perfect companion for on- and offroad.



SLIP RESISTANT XTS TRAIL OUTSOLE

The easy-to-clean rubber outsole ensures perfect contact with the ground. It is non-slip and abrasion-proof and heat-resistant up to 300°C (HRO). The specially designed cleat profile and the wide flex grooves guarantee optimal movement, optimize the water-displacing properties (windshield wiper effect) and provide a secure hold on a wide variety of surfaces.



IMPULSE.FOAM® MIDSOLE

The intelligent midsole made of IMPULSE.FOAM® reacts to every step with an energy impulse. As a result, the IMPULSE.FOAM® not only returns up to 55% of the energy, but also ensures maximum cushioning, excellent stability and long-lasting comfort.



COA.TEX® MEMBRANE

The durable, water resistant and wind-proof high-tech membrane is particularly breathable and protects the foot from waterlogging through a microporous fabric structure. The membrane transports sweat and moisture to the outside. What remains is a pleasantly dry and comfortable foot feeling.



FAP® - FLEXIBLE ANTI PERFORATION

The flexible anti-penetration midsole made out of ceramic-coated fibers protects the feet reliably from penetrating objects.



COMFIT®AIR FOOTBED

The extra comfort in your safety footwear. The newly developed, breathable ALBATROS® comfit®AIR footbed has elevations in the heel and ball area of the foot as well as a support of the longitudinal arch. This helps the foot keep its natural position in the shoe and stimulates the musculature while walking. The slip-resistant textile cover is odour-resistant, moisture absorbing and washable at 30°C.



DESIGN
AWARD
2019

ULTRATRAIL OLIVE CTX MID // S3 ESD WR HRO SRC

Art. No. 63.622.0

Protection: fiberglass toe cap and non-metallic, flexible FAP®-midsole
Upper: leather with abrasion-resistant textile inserts
Extra: ESD, DGUV, metal free, comfortably padded collar and dust tongue, water resistant and breathable COA.TEX® membrane, bumper of rubber in the toe area
Footbed: comfit®AIR footbed
Sole: XTS TRAIL - high quality, 300°C heat and slip resistant, rubber outsole with IMPULSE.FOAM® midsole or optimal cushioning, stability and comfort
Sizes: 6 - 12



GERMAN
DESIGN
AWARD
WINNER
2020

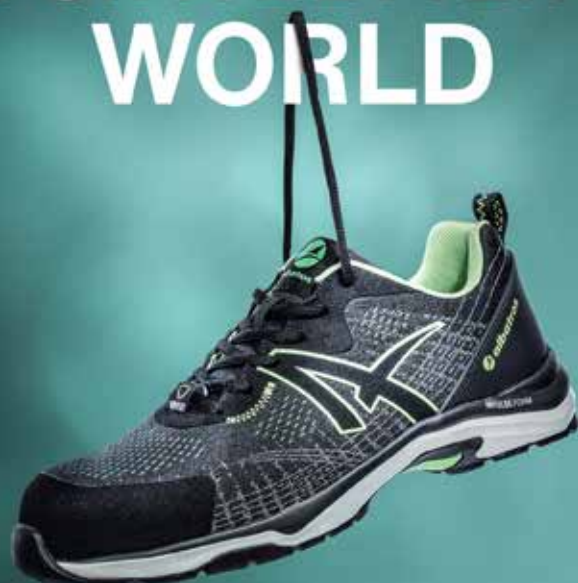
ULTRATRAIL GREY LOW // S3 ESD HRO SRC

Art. No. 64.621.0

Protection: fiberglass toe cap and non-metallic, flexible FAP®-midsole
Upper: leather with abrasion-resistant textile inserts
Extra: ESD, DGUV, metal free, breathable functional lining, comfortably padded collar and dust tongue bumper of rubber in the toe area, special fit and last in women's sizes 36-40
Footbed: comfit®AIR footbed
Sole: XTS TRAIL - high quality, 300°C heat and slip resistant, rubber outsole with IMPULSE.FOAM® midsole or optimal cushioning, stability and comfort
Sizes: 3 -12



REDUCE. REUSE. RECYCLE.
**FOR A BETTER
 WORLD**



NEW



red dot winner 2022



SLENDIP LOW // S1P ESD HRO SRC

Art. No. 64.630.0

Protection: fiberglass toe cap and metal free, flexible FAP GREEN midsole
Extra: ESD, metal free, pull tab for easy entry, comfortably padded collar and dust tongue
Upper: SAFETY KNIT® GREEN
Footbed: evercushion® GREEN
Sole: XTS TRAIL high quality, 300 C heat and slip resistant, rubber outsole with IMPULSE.FOAM® midsole or optimal cushioning, stability and comfort
Sizes: 3 - 12



THE NEW WORK EXPERIENCE

TREKSTAR XP

Reliable protection, excellent wearing comfort, precise and comfortable fit, easy-care, high-quality materials, optimal sure-footedness, especially on uneven surfaces and all this in a stunning design. The TREKSTAR XP models combine traditional functions such as the upper made from high-quality oiled leather with modern elements, such as the innovative and comfortable QUICK LOCK lacing system for a precise fit on the foot and the non-slip XTS CROSS TERRAIN sole with joint stabilization.



SLIP RESISTANT XTS TRAIL OUTSOLE

The easy-to-clean rubber outsole ensures perfect contact with the ground. It is non-slip, abrasion-proof and heat-resistant up to 300°C (HRO). The specially designed cleat profile and the wide flex grooves guarantee optimal movement, optimize the water-displacing properties (windshield wiper effect) and provide a secure hold on a wide variety of surfaces.



JOINT STABILISATION

The carbon-look joint stabilisation runs around the heel, which additionally protects against ankle twisting and supports the position of the foot in the shoe.



COA.TEX® MEMBRANE

The durable, water resistant and wind-proof high-tech membrane is particularly breathable and protects the foot from waterlogging through a microporous fabric structure. The membrane transports sweat and moisture to the outside. What remains is a pleasantly dry and comfortable foot feeling.



QUICK LOCK

Press, turn and the shoe sits perfectly on the foot - permanently. The precisely adjustable twist lock of the QUICK LOCK lacing system is as simple as it is ingenious. If you pull on the fastener, the laces come loose. Another advantage - operable with gloves.



FAP® - FLEXIBLE ANTI PERFORATION

The flexible anti-penetration midsole made out of ceramic-coated fibers protects the feet reliably from penetrating objects.



EVERCUSHION® CUSTOM FIT MID

The anatomically shaped insole cushions optimally with every step. The specially coordinated arch support enables the foot to be positioned naturally in the shoe and stimulates the muscles when walking. Also available in the LOW and HIGH versions in a retail pack.

Developed by the orthopedic shoemaker for professional and leisure footwear.



TOFANE BLACK QL CTX MID // S3 WR ESD HRO SRC

Art. No. 63.850.0

- Protection:** fiberglass toe cap and non-metallic, flexible FAP® midsole
Upper: greased full leather
Extra: ESD, breathable functional lining, Quick Lock lacing system, water resistant and breathable COA.TEX® membrane, closed dust tongue of suede leather
Footbed: evercushion® CUSTOM FIT MID
Sole: TREKSTAR XP - 300° heat resistant, profiled, especially slip resistant, self-cleaning outsole with joint stabilisation in carbon optic
Sizes: 7 - 12



RUNNER XTS MID // S3 HRO SRC

Art. No. 63.169.0

- Protection:** fiberglass toe cap and non-metallic, flexible FAP® midsole
Upper: high-quality oiled nubuck leather
Extra: breathable functional lining, TPU toe cap protection against abrasion, reflecting stripe at the side, closed dust tongue, softly padded textile collar and dust tongue, TPU Heel Support system for more stability
Footbed: anatomically formed comfit footbed
Sole: Sport XTS - 300°C heat resistant rubber outsole with TPU torsion protection
Sizes: 6 - 12



XTS SOLE

Robust, up to 300°C heat resistant HRO rubber outsole (SRC) with differently formed profile elements that provide grip on various grounds and have self-cleaning properties. Oil and petrol resistant, antistatic.



TPU TORSION PROTECT ELEMENT

Specially developed to assist the foot at the sides and to support the natural movement of the foot.



SHOCK ABSORBING EVA MIDSOLE

The soft and extremely lightweight EVA midsole offers optimum cushioning in the heel and forefoot area, where most of the stress during walking arises and improves the flexing action of the foot.



ULTIMATE COMFORT

DUAL.IMPULSE

Safety shoes to support you perfectly at work. The ultra light-weight dual.IMPULSE models with intelligent IMPULSE.FOAM® sole technology offer an unprecedented wearing comfort: Maximal cushioning. Active energy return. Excellent stability. Outstanding grip. Superior design. Cutting edge innovation powering a new generation of safety shoes.



1

SLIP RESISTANT OUTSOLE

The easy to clean rubber outsole ensures perfect ground contact. It is non-slip and abrasion resistant as well as heatresistant up to 300°C (HRO). The specially designed cleat profile and the wide flex grooves guarantee optimum movement, optimize the water-displacing properties (wind-screen wiper effect) and provide firm grip on a wide variety of grounds.

2



IMPULSE.FOAM® MIDSOLE

The intelligent midsole made of IMPULSE.FOAM® reacts to every step with an energy impulse. As a result, the IMPULSE.FOAM® not only returns up to 55% of the energy, but also ensures maximum cushioning, excellent stability and long-lasting comfort.

3

SAFETY KNIT®

The highly flexible, breathable textile fabric adapts perfectly to your foot and fits seamlessly like a sock. It gives you optimal support, is super light and ultra durable at the same time.



FAP® - FLEXIBLE ANTI PERFORATION

The flexible anti-penetration midsole made out of ceramic-coated fibers protects the feet reliably from penetrating objects.



COMFIT®AIR FOOTBED

The extra comfort in your safety footwear. The newly developed, breathable ALBATROS® comfit®AIR footbed has elevations in the heel and ball area of the foot as well as a support of the longitudinal arch. This helps the foot keeping its natural position in the shoe and stimulates the musculature while walking. The slip-resistant textile cover is odour-resistant, moisture absorbing and washable at 30°C.



AER55 brand label on the inner side



AER55 IMPULSE BLACK BLUE LOW // S1P ESD HRO SRA

Art. No. 64.750.0

Protection: fiberglass toe cap and non-metallic, flexible FAP®-midsole
Upper: SAFETY KNIT® with FITFRAME® elements
Extra: ESD, metal free, breathable functional lining, comfortably-padded collar and dust tongue, two pull-tabs for easy entry, extremely lightweight, TPU cap and heel protection against abrasion
Footbed: comfit®AIR
Sole: DUAL.IMPULSE - 300°C heat resistant, slip resistant rubber outsole with midsole of IMPULSE.FOAM® in two different densities for maximum cushioning, stability and comfort
Sizes: 3 - 12



*in implementation



LIFT BLUE IMPULSE LOW // S1P ESD HRO SRA

Art. No. 64.661.0

LIFT RED IMPULSE LOW // S1P ESD HRO SRA

Art. No. 64.660.0

Protection: fiberglass toe cap and non-metallic, flexible FAP®-midsole
Upper: durable 3D-Mesh and FITFRAME®-elements
Extra: ESD, metal free, breathable functional lining, comfortably-padded collar and dust tongue, extremely light, closed dust tongue, TPU cap as protection against abrasion
Footbed: comfit®AIR
Sole: DUAL.IMPULSE - 300°C heat resistant, slip resistant rubber outsole with midsole of IMPULSE.FOAM® in two different densities for maximum cushioning, stability and comfort
Sizes: 7 - 12



*in implementation



DYNAMIC - COMFORTABLE - UNCOMPROMISINGLY SAFE

DYNAMIC

The safety shoes of the DYNAMIC line offer uncompromising safety, unrestricted wearing comfort and dynamic design. Durable upper materials and a flexible, profiled DUO-PU outsole combine exactly the properties that a safety shoe needs for versatile use in construction, in craft, in logistics or in industry.



1

SLIP RESISTANT OUTSOLE

The abrasion-resistant, cushioning DUO-PU sole is particularly characterized by its flexibility and slip resistance. The sole profile has wide flex grooves and differently designed profile elements for excellent grip on different floors, especially on industrial floors.

2

CUSHIONING MIDSOLE

This soft PU midsole optimally cushions the high impacts of walking and combines perfect stability with flexibility.



FAP® - FLEXIBLE ANTI PERFORATION

The flexible anti-penetration midsole made out of ceramic-coated fibers protects the feet reliably from penetrating objects.

EVA FOOTBED

The anatomically shaped footbed made of soft EVA helps to protect the joints, muscles and bones with its shock-absorbing effect. An ergonomic longitudinal arch support provides optimal support for the foot when walking, while the dimpled forefoot area massages the front part of the foot with every step. The in the ball area increases breathability. Everything for a comfortable fit.

**CLIFTON LOW // S3 SRC**

Art. No. 64.870.0

- Protection:** fiberglass toe cap and non-metallic, flexible FAP®-midsole
Extra: metal free, breathable functional lining, comfortably-padded collar and dust tongue
Upper: hydrophobic suede leather and water repellent, durable textile fabric
Footbed: anatomically formed and breathable EVA footbed
Sole: flexible, profiled, slip and abrasion resistant DUO-PU outsole
Sizes: 3 - 12

**CLIFTON MID // S3 SRC**

Art. No. 63.870.0

- Protection:** fiberglass toe cap and non-metallic, flexible FAP®-midsole
Extra: metal free, breathable functional lining, comfortably-padded collar and dust tongue
Upper: hydrophobic suede leather and water repellent, durable textile fabric
Footbed: anatomically formed and breathable EVA footbed
Sole: flexible, profiled, slip and abrasion resistant DUO-PU outsole
Sizes: 3 - 12



NEW

EXPAND YOUR COMFORT.

XPR PROTECT

The new XPR PROTECT models are our lightest safety shoes thanks to XPR.FOAM® and FAP® LITE perforation protection. They effortlessly satisfy the highest requirements for resistance, durability and slip-resistant properties. The innovative, lightweight design minimizes fatigue on long working days and delivers maximum comfort.



1



XPR.FOAM

XPR PROTECT SOLE

Our absolute lightweight!
The XPR PROTECT sole is more than 100 g lighter than conventional safety shoe soles, but without compromising on protection and durability. The innovative, elastic and ultralight XPR. offers outstanding impact cushioning and keeps you on a firm footing, even in the harshest environments. The eye-catching sole profile optimizes traction and improves stability.

2



SAFETY KNIT®

SAFETY KNIT® CR

Our rugged SAFETY KNIT® technology with cut resistant properties is produced by a special selection of textile fibers. Resistant and breathable, the highly flexible fabric adapts perfectly to the shape of the foot.

3



FAP® LITE - FLEXIBLE ANTI-PERFORATION

The latest generation of metal-free perforation protection:

- 50% lighter
- very high flexibility
- better cushioning and pressure elasticity
- cooling effect through breathability and sweat absorption

EVA FOOTBED

The anatomically shaped footbed made of soft EVA has shock-absorbent properties that improve the protection of joints, muscles and bones. Ergonomic longitudinal arch support delivers optimized stability, while the textured section on the ball massages the front of the foot with every step. The perforation improves breathability – to pleasantly optimize comfort.

**NEW****LEVITATE GREY LOW // S1PS SR**

Art. No. 64.722.0

Protection: fiberglass toe cap and flexible FAP® midsole
Extra: metal free, breathable functional lining, comfortably-padded collar and dust tongue
Upper: SAFETY KNIT® with FITFRAME® elements
Footbed: Anatomically shaped, cushioning EVA footbed
Sole: XPR PROTECT –extremely slip-resistant outsole and midsole made of XPR.FOAM for outstanding cushioning and comfort
Sizes: 36-47



COMPOSITE



SLIP RESISTANT



METAL FREE



BREATHABLE



LIGHTWEIGHT



UNISEX



VEGAN

**NEW****LEVITATE ORANGE LOW // S1PS SR**

Art. No. 64.723.0

Protection: fiberglass toe cap and flexible FAP® midsole
Extra: metal free, breathable functional lining, comfortably-padded collar and dust tongue
Upper: SAFETY KNIT® with FITFRAME® elements
Footbed: Anatomically shaped, cushioning EVA footbed
Sole: XPR PROTECT –extremely slip-resistant outsole and midsole made of XPR.FOAM for outstanding cushioning and comfort
Sizes: 36-47



COMPOSITE



SLIP RESISTANT



METAL FREE



BREATHABLE



LIGHTWEIGHT



UNISEX



VEGAN



NEW

STAY FLEXIBLE.

FLEXLITE



1

FLEXLITE OUTSOLE

The noticeably light and ergonomic sole architecture with differently sized lugs and curved grooves ensures optimum liquid displacement and supports a natural rolling movement. Wear-resistant TPU inserts in the areas subject to the greatest strain and reinforced arch support ensure a secure grip, especially on industrial floors. The distinctive heel enables outstanding grip on ladders.

2



EFFECT.FOAM® MIDSOLE

Tireless comfortable!

- 60% ENERGY RETURN
- 47% less impact on bones and joints*
- extremely powerful and light
- permanently high level of comfort for fatigue-free work

*Dynamic energy absorption reduces the impacts to 1.6KN, the average for safety shoes is 3.0KN.

3

HEEL & ARCH SUPPORT

The three-dimensional element formed directly from the EFFECT.FOAM® midsole surrounds the heel and supports the midfoot. This ensures maximum hold, protects against ankle twists while also enabling a natural rolling movement of the foot.



EVERCUSHION® RELIEF^T FOOTBED

Maximum performance for your work shoes. The evercushion® RELIEF footbed consists of two different layers that fit together precisely. The upper layer is made from memory foam and adapts perfectly to the shape of the foot, offering cushioning just where it's most needed. The bottom layer is made of evercushion® foam and provides optimum pressure relief and durable cushioning. A specially adapted arch support keeps the foot in a natural position inside the shoe and stimulates the muscles while walking. The wavy grooves on the bottom stop the footbed from sliding inside the shoe. This is the comfort and support you need to get your job done.



NEW

TWO-WIDTH SYSTEM

To ensure perfect fit, the FLEXLITE is produced in widths of 11 and 12.

**NEW****TARAVAL BLACK/BLUE LOW // S3L ESD FO SR**

Art. No. 64.803.0

TARAVAL BLACK/BLUE XW LOW // S3L ESD FO SR

Art. Nr. 64.803.1 (Width 12)

- Protection:** fiberglass toe cap and flexible FAP® midsole
Extra: Heel & Arch Support, two-width system, extremely lightweight
Upper: durable microfibre
Footbed: evercushion® RELIEFT
Sole: FLEXLITE -slip resistant DUO-PU and TPU outsole with midsole of continuously high performance EFFECT.FOAM® for excellent cushioning and energy return
- Sizes:** 36-50

**NEW****TARAVAL BLACK/BLUE MID // S3L ESD FO SR**

Art. No. 63.804.0

TARAVAL BLACK/BLUE XW MID // S3L ESD FO SR

Art. Nr. 63.804.1 (Width 12)

- Protection:** fiberglass toe cap and flexible FAP® midsole
Extra: Heel & Arch Support, two-width system, extremely lightweight
Upper: durable microfibre
Footbed: evercushion® RELIEFT
Sole: FLEXLITE -slip resistant DUO-PU and TPU outsole with midsole of continuously high performance EFFECT.FOAM® for excellent cushioning and energy return
- Sizes:** 36-50



WE ARE PIP GLOBAL

PIP

**Ultimate
Industrial**

PIP Global is a leading supplier of Personal Protective Equipment to wholesalers and distributors worldwide.

With locations throughout Europe, North and South America, and Asia, PIP's mission of "Bringing the Best of the World to You[®]" is fulfilled everyday by providing best-in-class safety products worldwide. PIP[®] is proud to work with more than 12,000 global distributor partners, for over 35 years, to deliver best-in-class customer experiences by providing a high-quality product offering, comprehensive sales tools and out-standing service.

+ 1800
employees

11 production
plants

+ 20.000
product
references

33 global
locations

2,000,000+
sq. ft of
warehouse
space

Presence in
18 countries



OWN BRANDS

Ultimate
BY PIP

Hand Protection
Hearing Protection
Safety Eyewear
Respiratory Protection

hantex
BY PIP

Hand Protection

träega
BY PIP

Safety Footwear
Head Protection
Work at Height
Hazard Protection

PUMA
SAFETY

Safety Footwear

albatros
MADE TO PROTECT

Safety Footwear

Bisley
WORKWEAR
BY PIP

Workwear
Hi Vis Clothing

G-Tek
BY PIP

Hand Protection

bouton
BY PIP

Safety Eyewear

Grippaz
BY PIP

Disposable Gloves

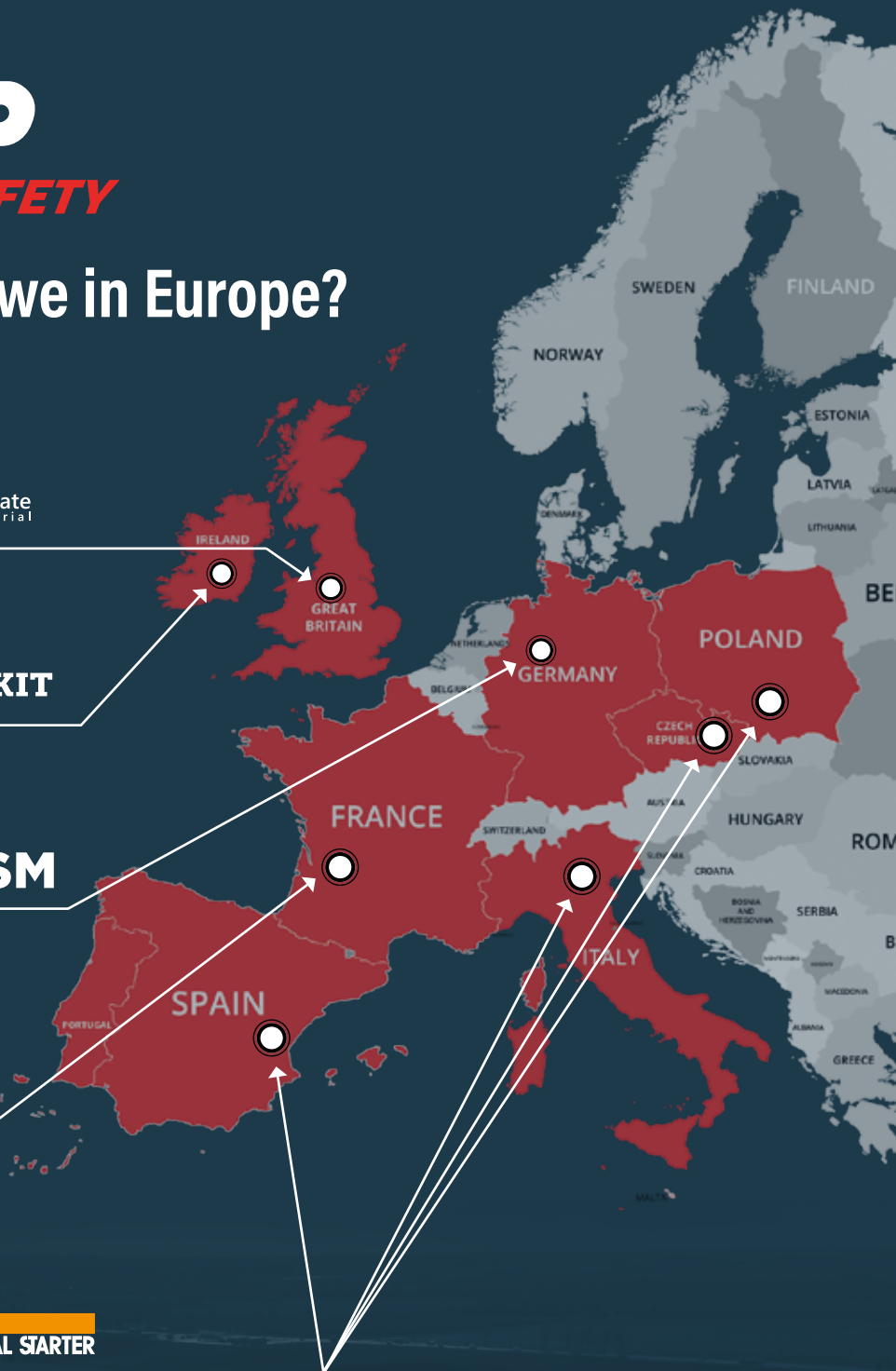
ISSALINE
BY PIP

Workwear and Clothing



Where are we in Europe?

PIP EMEA



ultimateindustrial.co.uk

EUROPEAN SAFETY STANDARDS

EN ISO 20345:2011

Safety footwear are shoes certified according to EN ISO 20345:2011.
Provided with a toe cap protection, which protective action is tested by an energy of 200 joule, for high stress. The toe cap protection can be made of steel, aluminium or composite.

Safety Shoes according to EN ISO 20345					
	SB	S1	S1P	S2	S3
slip resistance (SRA/SRB/SRC)	✓	✓	✓	✓	✓
toe cap protection	✓	✓	✓	✓	✓
Penetration resistance (P)			✓		✓
closed seat region	open seat region possible	✓	✓	✓	✓
resistance to fuel oil (FO)		✓	✓	✓	✓
antistatic properties (A)		✓	✓	✓	✓
energy absorption of seat region (E)		✓	✓	✓	✓
waterresistant upper (WRU)				✓	✓
cleated outsole					✓

Additional requirements:

HRO	resistance of the outsole to hot contact
SRA	slip resistance on ceramic tile floor with cleaning agents (NaLS)
SRB	slip resistance on steel floor with glycerine
SRC	(SRA + SRB) slip resistance on ceramic tile floor with cleaning agents and steel floor with glycerine
WR	water resistance of the shoes
CI	cold insulation of sole complex
ESD	ESD equipment according to DIN EN 61340 with a bleeder resistor in the range of >100 kilohm up to <35 megaohm
DGUV	ideal for wearers of orthotic insoles, according to DGUV-rule 112-191

EUROPEAN SAFETY STANDARDS

NEW EN ISO 20345:2022

The norm DIN EN ISO 20345 defines the requirements for safety shoes and was revised in June 2022. Safety footwear are shoes certified according to EN ISO 20345:2022. Provided with a toe cap protection, which protective action is tested by an energy of 200 joule, for high stress.
The toe cap protection can be made of steel, aluminium or composite.

Safety Shoes according to EN ISO 20345:2022

SYMBOL	REQUIREMENT	SB	S1	S2	S3	S3L	S3S	S6	S7	S7L	S7S
-	Basic requirements	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
-	Slip resistance on ceramic tile floors with NaLS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
-	closed seat region	○	✓	✓	✓	✓	✓	✓	✓	✓	✓
A	antistatic properties	○	✓	✓	✓	✓	✓	✓	✓	✓	✓
E	energy absorption of seat region	○	✓	✓	✓	✓	✓	✓	✓	✓	✓
NEW WPA	Water penetration and absorption	○	○	✓	✓	✓	✓	✓	✓	✓	✓
NEW P	Penetration resistance: metal insert	○	○	○	✓	—	—	○	✓	—	—
NEW PL	Penetration resistance: non-metal insert 4,5 mm nail	○	○	○	—	✓	—	○	—	✓	—
NEW PS	Penetration resistance: non-metal insert 3,0 mm nail	○	○	○	—	—	✓	○	—	—	✓
-	cleated outsole	○	○	○	✓	✓	✓	○	✓	✓	✓

Additional requirements:

C Conductivity
HI Heat insulation
CI Cold insulation
M Metatarsal protection
AN Ankle protection
CR Cut resistance
NEW SC Scuff Cap
WR Water resistance

Ø Slip resistance not tested (e.g. shoes with metal spikes)
NEW SR Slip resistance
HRO Heat resistance outsole
FO Resistance to fuel and oil
NEW LG Ladder grip
ESD ESD equipment according to DIN EN 61340 with a bleeder resistor in the range of >100 kiloohm up to <35 megaohm
DGUV Ideal for wearers of orthotic insoles, according to DGUV-rule 112-191

ICONS & TECHNOLOGIES



BIG SIZE

For all working big foots: these models are available up to size 13 or sometimes size 14.



BREATHABLE

Breathable materials protect against overheating by balancing the foot temperature during work. Your feet will stay fresh and less tired.



HRO SOLE

At least for a short contact these outsoles are heat resistant up to 300°C.



SLIP RESISTANT

Slip resistance of category **SRA**: on a clay tile surface which has been lubricated with a wetting agent (Sodium Laurel Sulphate). **SRB**: on a stainless steel surface which has been lubricated with oil (Glycerol). **SRC**: Categories SRA and SRB



LIGHTWEIGHT

Special materials and their processing make the shoe particularly lightweight. This results in an even higher wearing comfort.



METAL FREE

Sometimes you need a shoe without any metallic parts. We have replaced the steel with our fiber-glass toe cap and a fibre midsole and it's even better, lighter and more flexible.



HEAT INSULATED

Safety shoes that protect against heat (HI) offer protection against a sole burn of the feet when working on surfaces up to 150 °C (with a contact time of up to 30 minutes).



COLD INSULATED

The shoe has components that protect against the cold and ensures you warm feet. Shoes with CI certification insulate the foot and keep warmer for longer.



WOMENS SIZE

Built on a women's last to give a better fit to the female foot.



UNISEX

Models with this icon are also available in ladies sizes from 3,5.



VEGAN

Produced without any animal products.



WATERPROOF

It will keep your feet dry and free from perspiration due to the clever moisture management that lets water out but not in.



DGV 112-191 (BGR 191)

BG Directive concerning orthopedic adjustments (insoles). Safety shoes must be tested according to it to guarantee that the shoe still meets the requirements of standard EN ISO 20345.



COA.TEX®

COA.TEX is an extremely durable water resistant and breathable high-tech membrane. Its micro-porous fabric structure protects feet from stagnant moisture.



SYMPATEX®

The Sympatex membrane makes the shoe wind- and waterproof and ensures an excellent moisture management.



CORDURA®

High performance, super-durable fabric, which is extremely hard wearing and comfortable.



SAFETY KNIT®

STEP IN COMFORT - The ultraflexible textile fabric perfectly adapts to the foot and fits like a sock.



FUSE.TEC® / FITFRAME®

Reinforcement elements are seamlessly welded using FUSE.TEC / FITFRAME. Therefore it is possible to create a seamless upper even in areas subject to high stress (flex zones). The shoe is more flexible, hard wearing and has a perfect fit.



IMPULSE FOAM®

The innovative IMPULSE.FOAM midsole reacts to each step with an energy impulse. Thereby the IMPULSE.FOAM does not only return the energy, but also provides maximum cushioning, excellent stability and long-lasting comfort.



EFFECT FOAM®

Tireless comfortable!
• 60% energy return
• 47% less impact on bones and joints*
• extremely lightweight
• permanently high level of comfort for fatigue-free work

* Dynamic energy absorption reduces the impacts to 1.6KN, the average for safety shoes is 3.0KN.



