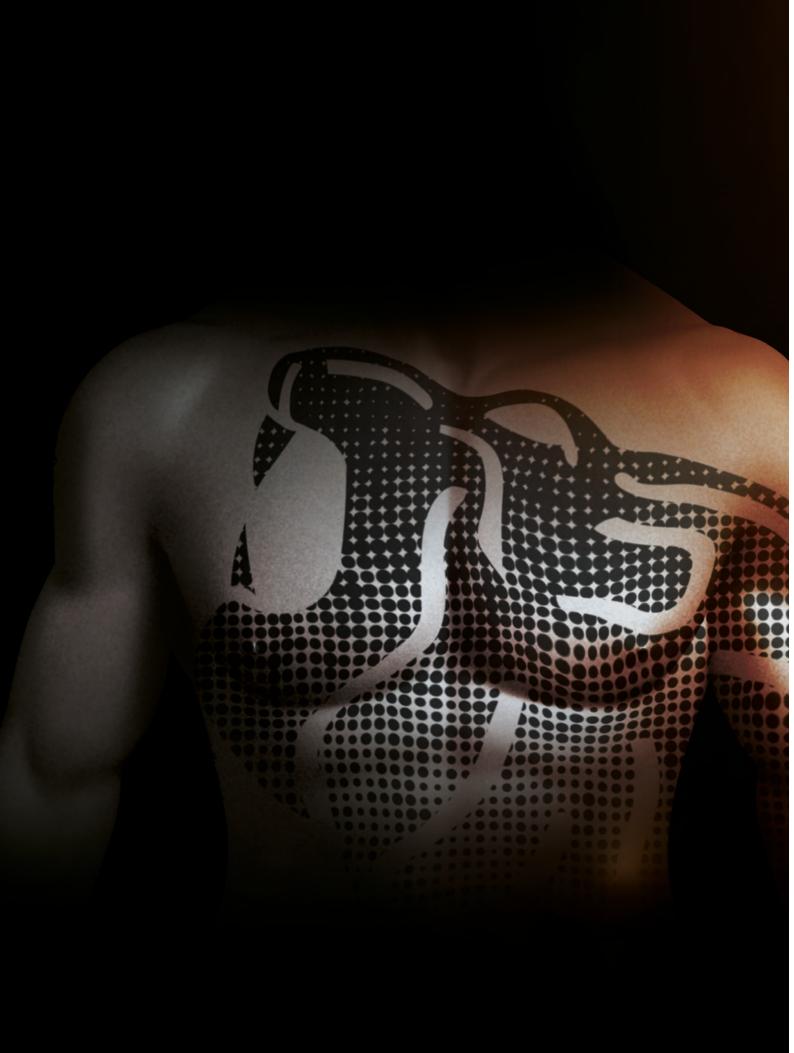
# SHOES COLLECTION

**PURE ITALIAN DESIGN** 







# DON'T WORRY... BE HAPPY

We like to think that every day can be the start of something wonderful. A new challenge, a new opportunity, an unforeseen situation that tests us and allows us to show all our talent. We believe that positive thinking is not an illusion but a concrete way to face life with a smile, self-confident of our abilities. Here is the explanation of our reasoning, which for me is a philosophy of life: Don't worry... be happy!

Franco Uzzeni President

Franco Jezeni



# A HISTORY MADE OF CHALLENGES.

Our philosophy Don't worry... be happy! reflects our Mission, which has always been our commitment to those who wear **U-POWER**: each shoe is a guarantee of true comfort and functionality under the sign of true Italian design.

**U-POWER** was founded with the target to build the most authentic and reliable reference point for improving the quality and life style of working people.



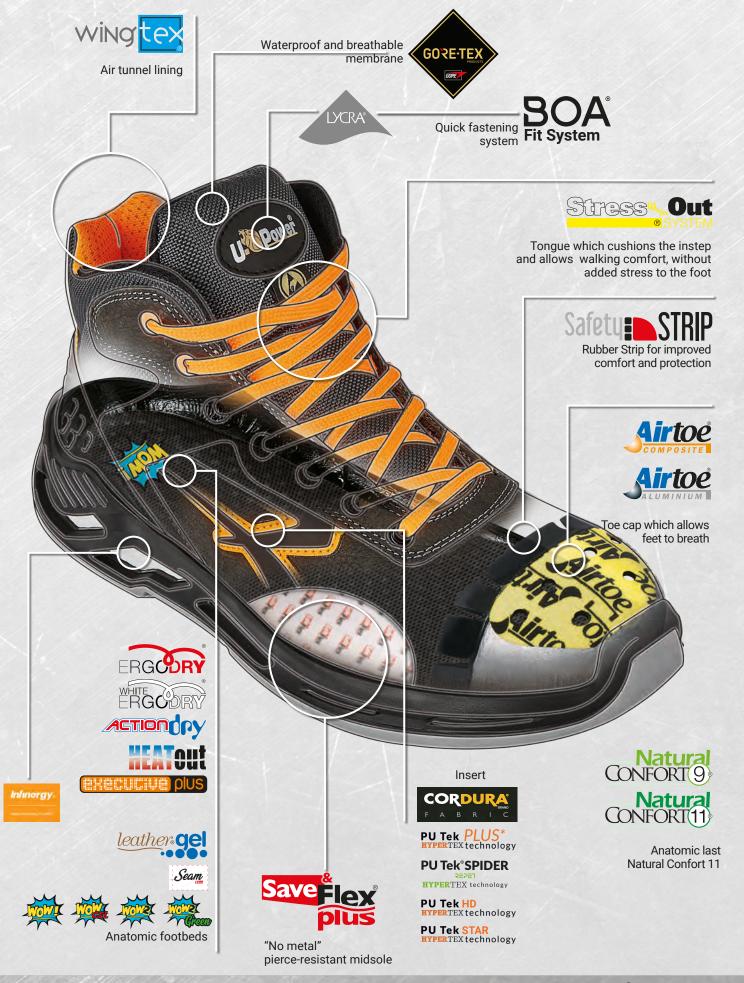




# U-POWER TECH SUPREMACY

Consistent with its mission, U-POWER addresses a great part of its investments to the development of each technological innovation which improves every day life for working people by supporting their safety.

Discover the VALUE and PERFORMANCE of a series of exclusive world patents.









The exclusive pierce-resistant "no-metal" midsole, in comparison to the classical steel midsole is lighter, more flexible and safe since it can be directly stitched to the upper, therefore protecting the entire sole area.

**U-POWER** uses for its products only **Save & Flex PLUS** quality materials, which offer pierce resistance of the sole **1100N**, in accordance to recent legislation



USED IN U-POWER SHOES



NORM 1100 N

Stress Out

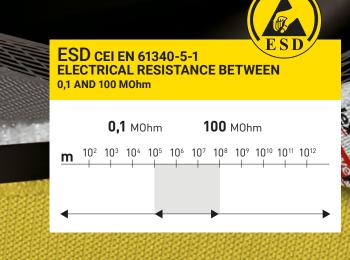
® SYSTEM



An innovative tongue system planned to help the instep and allow comfort when walking, without added stress to the foot. This exclusive technology comes from extended studies on the ergonomics of the feet.

It concerns the division of the anatomic support combined with a multiple density cushion support inserted in the tongue.





The examined specimen meets the requirements of CEI EN 61340-5-1:2016/ COR1:2017, IEC 61340-4- 5:2018 and IEC 61340-4-3:2018 with regard to the requirements for specific ESD protection elements of electronic components (scope related to the manufacture and use of electronic devices). components (scope related to the manufacture and use of electronic devices).



# Just touch it to feel it is tough!!

PU Tek technology use a new concept of threads with super high resistance to abrasion, directly woven in high resistance fabric to achieve textiles with ultimate mechanical performances!







# U-Group

standard showed a much greater breathability than the minimum required and 4 times higher than normal PU Tek for S3 safety footwear.



Testing in accordance with the ISO 20344:11 standard showed a much greater breathability than the minimum required and 4 times higher than normal PU Tek for S3 safety footwear.



# PU Tek® HD

HYPERTEX technology



# ÷1÷1÷1÷1÷1÷1÷1÷1÷1÷1

Testing in accordance with the ISO 20344:11 standard showed a much greater breathability than the minimum required and 4 times higher than normal PU Tek for S3 safety footwear.





Testing in accordance with the ISO 20344:11 standard showed a much greater breathability than the minimum required and 4 times higher than normal PU Tek for S3 safety footwear



# TEST ABRASION RESISTANCE ON **SANDPAPER NORM EN 388**

	FABRIC QUALITY	ABRASION RESISTANCE EN 388	PERMEABILITY OF WATER VAPOUR norm* ≥ 0,8	COEFFICIENT OF WATER VAPOUR norm* ≥ 15
Š	Cordura® 1000	600 cycle	> 10 mg	> 20 mg/cm²
	PU Tek® Plus	> 6.000 cycle	> 20,0 mg	> 120 mg/cm <sup>2</sup>
	PU Tek® SPIDER repet	3.000 cycle	> 1,0 mg	> 15 mg/cm²
	PU Tek® HD	> 5.000 cycle	> 1,5 mg	> 15 mg/cm²
	PU Tek® STAR	> 6.000 cycle	> 25,0 mg	> 200 mg/cm <sup>2</sup>

\*minimum values required by the standard EN ISO 20344-2011















Delivering fit solutions purpose-built for performance, the BOA® Fit System is featured in products across industries (in medical, sports and workwear) and consists of three integral parts: a micro-adjustable dial, a super-strong lightweight lace and low friction lace quides.

Each unique configuration is engineered for effortless precision delivering a connected, fast, customized and durable fit, and is backed by The BOA Guarantee.



# REDEFINING THE FUTURE OF FIT.

# **AGILITY AND SPEED**

The **BOA® Fit System** enables faster, more powerful directional changes through a seamless connection between equipment and body.

# **POWER AND PRECISION**

Power without compromising precision, the BOA® Fit System delivers more explosive action and unparalleled accuracy.

# **ENDURANCE AND HEALTH**

Go further, faster, and stronger. The **BOA® Fit System** saves energy by improving circulation and efficiency.

# **DURABILITY AND QUALITY**

Engineered with high quality, durable materials, and rigorously field tested, the **BOA® Fit System** is guaranteed to perform in any environment.

FIT FOR LIFE WITH BOA®.

THE BOA' **GUARANTEE** 

The BOA® Fit System dials and laces are guaranteed for the lifetime of the product on which they are integrated.

# **HOW IT WORKS**







PUSH IN TO ENGAGE TURN TO TIGHTEN PULL UP FOR QUICK RELEASE

Don't worry... be happy!







ACTIVITY DAY START

ACTIVITY DAY FINISH

Developed from detailed analysis of the foot based upon its maximum efforts and strengths we developed the **Natural Confort 11** last. We know now that during the different phases of the working day our feet can have variations that are very relevant.

**Natural Confort 11** ensures a stress-free fitting and natural comfort throughout the day.



The revolutionary composite toe cap which, thanks to the innovative technology **AirToe** allows your feet to breathe. **AirToe** Composite, thanks to the asymmetric holes and the unique micro-porous membrane ensures the total permeability and absolute transpiration even after many hours of intensive wear. **AirToe** Composite complies with the latest safety standards.





Aluminium's nobility and lightness for comfort without compromise AIRTOE ALUMINIUM

Average weight 54 gr





Composite's versatility

AIRTOE COMPOSITE

Average weight 50 gr



STEEL TOE CAP Average weight 93 gr





Revolutionary air tunnel lining, for utmost breathability. Special microcells have great absorbance and deabsorbance features.





An arch structure in SOFT DYNAMIC COMPOUND, with self-modelling properties capable of evenly distributing the pressure of the bodyweight on the foot.







An arch structure in SOFT DYNAMIC COMPOUND, with self-modelling properties capable of evenly distributing the pressure of the bodyweight on the foot with a soft anti-shock gel.







The WOW2 insole consists of two elements:

-An arch structure in SOFT DYNAMIC COMPOUND, with self-modelling properties capable of evenly distributing the pressure of the bodyweight on the foot.

-An insert made with a revolutionary BASF compound that guarantees anti-fatigue properties, able to absorb and relieve body stress caused by a prolonged stationary position at fixed workstations.

The result is a feeling of immediate benefit from the first wear of the shoe, which translates into less daily fatigue during the working day.







The insole consists of two elements:

-An arch structure 100% renewably sourced PU footbed by BASF with self-modelling properties capable of evenly distributing the pressure of the bodyweight on the foot.

-An insert made with a revolutionary BASF compound that guarantees anti-fatigue properties, able to absorb and relieve body stress caused by a prolonged stationary position at fixed workstations.

The result is a feeling of immediate benefit from the first wear of the shoe, which translates into less daily fatigue during the working day.





Anatomic insole designed by studying the morphology of the foot, is manufactured with a dual PE and EVA support system coated with a textile surface. Extremely comfortable, anti bacterial and anti-static, insole, for always cool and fresh feet.





Using our footwear experience, we have developed a footbed that ensures comfort all day long. It combines a support in EVA with open cells textile which keeps it dry and antifungal. Extremely light and non slip, it guarantees maximum performance even in extreme working environments.





Anatomic, removable and lightweight insole in EVA with carbon fibres and ceramic particles, thanks to which the temperature of the foot remains constant even with high ground temperatures.





Anatomic insole very soft with open microcells, light and breathable. Thanks to the pairing with an extremely light material it ensures fresh and dry feet throughout the workday.





Exclusive insole in real leather with EVA support, thanks to the special tanning procedure it is anti bacterial. After lengthy study of the foot's anatomy, this insole offers great side support to your heel, the special gel insert assure shock absorption generated during working activity. An insole which assures fresh and dry feet, even after many working hours.



# GORE-TEX CORET

# GORETEX FOOTWEAR FOR THE WORKPLACE. PROTECTION AND COMFORT.

# **High climate comfort**

The GORE-TEX membrane - the hidden secret at the core of GORE-TEX Footwear offers high climate comfort in all working weather conditions.

## Water stays out while sweat escapes

The GORE-TEX membrane has microscopic pores 20,000 times smaller than a drop of water but 700 times larger than one water vapour molecule. This unique combination provides durable waterproofness and high breathability. GORE-TEX Footwear keep your feet dry and comfortable.



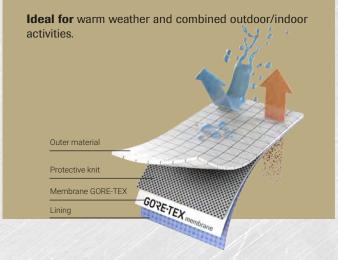
# PRODUCT CLASSES.

To meet the specific requirements of operational climate, activity level, and end-use environment, Goretex has developed special

footwear laminates. Three Product Classes make it easy to choose the appropriate footwear for your final end use:

# **GORE-TEX Extended Comfort Footwear**

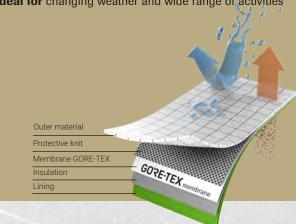
- Dry and comfortable for warm temperatures
- Durably waterproof, highly breathable and non insulated for high heat loss



# **GORE-TEX Performance Comfort Footwear**

- Dry and comfortable for moderate temperatures
- Durably waterproof, breathable and moderately insulated for a broad range of temperatures

Ideal for changing weather and wide range of activities



© 2013 W. L. Gore & Associates GmbH. GORE, GORE-TEX and designs are trademarks of W. L. Gore & Associates. D1631.





# PROVEN QUALITY UNDER UNCOMPROMISING TESTING CONDITIONS.

# More than the sum of its parts

All footwear parts (leathers, textiles, laces, foams, threads) and the entire boot construction are geared towards maximum performance in the final end use and subjected to uncompromising quality control during all phases of the product

development and production.

GORE-TEX Footwear by far exceeds the requirements of the standard EN ISO 20345/347 with respect to waterproofness, breathability and durability.



# **Durable Waterproofness**

GORE-TEX Footwear has to withstand up to 300,000 flex movements (80 hours) in ankle-high water – without allowing one single drop of water to penetrate inside the boot. EN ISO standard 20344 requires only 4800 flexes (80 minutes) and 3 cm2 water entry is allowed.



# **Breathability**

The materials used in GORE-TEX Footwear achieve a breathability value up to six times higher than the values specified in EN ISO standard 20345/47.





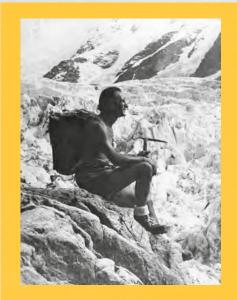
# **Durability**

Inner lining and upper materials of GORE-TEX Footwear have to withstand up to four times more abrasion movement than specified in by the EN ISO standard.





Vibram is the world leader in the technological development and manufacture of high-performance rubber soles, for the outdoor, work safety, lifestyle, orthopaedic and repair markets. For more than 80 years, the unmistakable yellow octagon has been the symbol of a company synonymous with quality, performance, safety, innovation and design. From the moment we created the first rubber sole for mountaineering, Vibram has become a benchmark in the footwear market. Vibram soles – derived from a desire to boost safety and protection – are known all over the world, and are the result of a constant commitment to research and development.

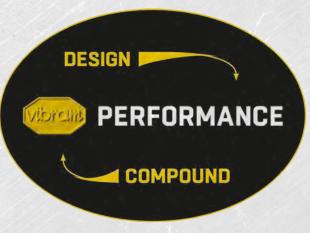


# A STORY OF INNOVATION

The Vibram story began in 1936, when Vitale Bramani (an Academic of the Italian Alpine Club), on his return from a mountaineering ascent that ended in tragedy (1935), came up with the idea of making footwear soles using the same technique employed for making vehicle tyres. This stroke of genius led to the début of the first soles branded Vibram – a combination of the inventor's first name and surname – and the famous Carrarmato sole that revolutionised both mountaineering and the world of footwear, allowing for unprecedented performance in terms of abrasion resistance, traction and grip.

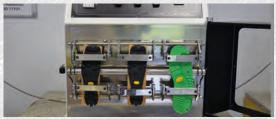


VIBRAM PERFORMANCE The secret of Vibram® performance is the optimal combination of hyperfunctional DESIGN and exclusive RUBBER COMPOUNDS. For more than 80 years Vibram® has been delivering the most advanced soles to the market. The Vibram® yellow octagon has become the gold standard of quality and performance throughout the footwear industry. Vibram® designers are aesthetic experts and know how to give a sole the best technical features for each specific use. They work together with Vibram Tester Team and our soling partners to get end users' feedback to perfect Vibram's product. They also collaborate with biomechanical institutes, to innovate cutting-edge lines, volumes and shapes for future soles. They strive to develop functional, comfortable, and original soles for top performance in the intended environment.



# **VIBRAM TESTS**

Each and every Vibram sole must pass 3 levels of testing before it reaches the market. This series of tests ensures the product quality meets and use requirements.









# LAB TESTS

- Conducted in a controlled environment
- Physical-mechanical characteristics run by machines
- Test samples: soles.
- · Output: slip resistance, abrasion, elasticity, hardness, density

# **FIELD TEST**

- Outdoor Testing under the most extreme but real situations.
- Blind tests run by the VIBRAM® Tester Team .
- Test samples on shoes: soles, designs and compounds.
- · Output: approval: product is ready to the market

# **IN VIVO TESTS**

- Indoor Testing on shoes with flat sole design.
- Run on shoes by humans with scientific protocols ("in-vivo").
- Test samples: flat design soles to focus on compound performance Output: trustable compounds comparison.

# COMPOUND



TC4+

- Engineered for use in a wide range of work and safety environments.
- Provides a high level of grip and durability
- Excellent heat and tear resistance



**DESIGN** 

- 1. Large contact area for GRIP ON INDUSTRIAL CONTAMINATED FLOORS
- 2. Reinforced lugs for STABILITY and DURABILITY
- 3. Oil draining channels to enhance GRIP and SAFETY

# **TECHNOLOGY**



# THIS IS A REVOLUTION!

Research and innovation motivate us to develop high performance products. To realise **Red 360**, **RedLion**, **Red over**, **Red Pro** and **Bau & Building** we collaborated with the world leading chemical innovators BASF Group and their cutting edge **Infinergy**®, the first expanded TPU (E-TPU = Expanded Thermoplastic Polyurethane), Lightness and flexibility in a single product.

WHY? BECAUSE YOUR WELLBEING AND SAFETY IN THE WORKPLACE IS OUR PRIORITY!

**Red Lion** stems from our desire to find solutions; we have looked at comfort, ergonomics, economy of energy and performance to reduce the stress in your working life, no matter how far you may travel in a day.

**Infinergy**® is a real breakthrough in innovation, originally designed for the world of sport, it revolutionised the running shoe. BASF's technological expertise in particle foams combined with their experience with thermoplastic polyurethanes lead to this entirely new closed-cell elastic particle foam; where the benefits of thermoplastic polyurethane (TPU) are retained, but to these are added the typical properties of foam. This combines two normally opposing characteristics: on one side softness and comfort and on the other stability and resilience.



- Great flexibility
- High resilience
- Flexibility and lightness
- Low density
- High tensile strength
- High impermeability
- Resistance to wide temperature changes +40°c to - 20 °c
- Soft and dynamic cushioning that returns positive energy to the wearer. Energy is stored as the foot hits the ground and is returned through the sole as the foot lifts up, pushing the foot forward. A large amount of the expended energy is returned to the wearer
- Excellent long-term strength even when exposed to constant stress
- Unlike traditional foams, Infinergy® still retains its elastic memory whilst withstanding temperatures of -20°c to over +40°c



# **TECHNOLOGY**

# Comfortable throughout the whole day

The Infinergy® cushioning helps to maintain energy levels for longer than any traditional sole with the added benefit of lightness, freedom of movement, anti-fatigue and reduction of musculoskeletal disorders.

Is the solution to improve the conditions for workers subjected to different daily situations and stresses:



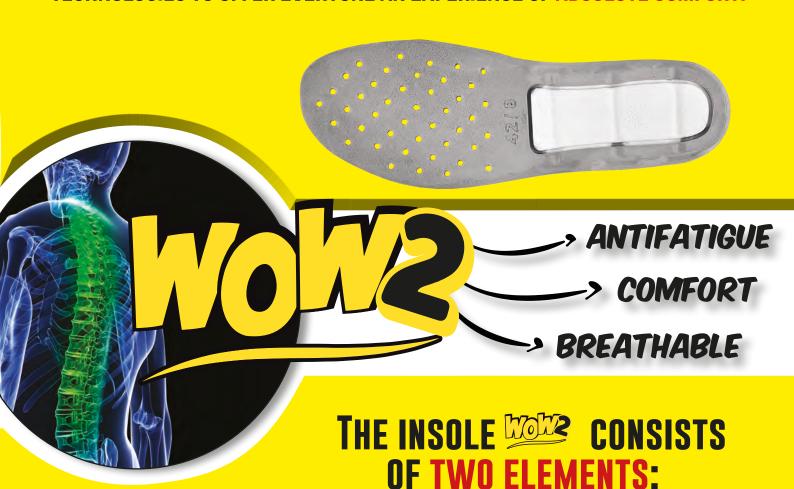
• A combination of uppers giving an elegant look, built with very soft materials that wrap the foot in total comfort: ultra- breathable textile materials and natural full grain leather.

Good looking and a perfect fit combined with cushioning!



# N U-POWER SHOES WITH FFECT

THE CONTINUOUS RESEARCH AND DEVELOPMENT FROM U-POWER SURPRISES
US WITH THE INNOVATIVE INSOLE THAT COMBINES THE BEST
TECHNOLOGIES TO OFFER EVERYONE AN EXPERIENCE OF ABSOLUTE COMFORT!



AN ARCH STRUCTURE IN SOFT DYNAMIC COMPOUND, WITH SELF-MODELLING PROPERTIES CAPABLE OF EVENLY DISTRIBUTING THE PRESSURE OF THE BODYWEIGHT ON THE FOOT.

AN INSERT MADE WITH A REVOLUTIONARY BASF COMPOUND THAT GUARANTEES ANTI-FATIGUE PROPERTIES, ABLE TO ABSORB AND RELIEVE BODY STRESS CAUSED BY A PROLONGED STATIONARY POSITION AT FIXED WORKSTATIONS.

THE RESULT IS A FEELING OF IMMEDIATE BENEFIT FROM THE FIRST WEAR OF THE SHOE, WHICH TRANSLATES INTO LESS DAILY FATIGUE DURING THE WORKING DAY.



The products of the red industry green line have achieved zero net CO<sub>2</sub> emissions through the use of materials with reduced environmental impact and the offsetting of the residual emissions by the purchase of carbon credits certified according to arrangements and methodologies recognised by the United











# MAXIMUM PROTECTION AND COMFORT WITH GREAT RESPECT FOR THE **ENVIRONMENT**



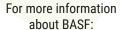
SOLE: in PU by BASF 100% MADE FROM RENEWABLE **RESOURCES\*** 



INSOLE: in PU by BASF 100% MADE FROM RENEWABLE **RESOURCES\*** 

UPPER AND ANTI-PERFORATION in components with







# **OUR ECO-SUSTAINABLE MISSION**

A circular economy for the environment that minimises waste, reuses and recovers materials, reduces CO<sub>2</sub> emissions by offsetting them with specific projects.

# **U-POWER DOES NOT STOP HERE**

We will continue to invest in research and development on a daily basis, optimising our processes and reducing our consumption in order to develop increasingly GREEN solutions.

\*Use of REDcert2 certified products of BASF that come with a 100% substitution of fossil with renewable raw materials in the value chain.



# "U-Power?... I have worn, tested and approved them!"



Professional Kinesiologist (from the Greek kinesis = movement and lógos = office) is a researcher in the field of Human Movement.

# What does he do?

His professional career aims at studying how musculoskeletal system disorders affect the General Health condition.

He is a supporter of the scientific principles of static - dynamic rebalancing, with respect to postural perturbations, in order to positively influence human body dysfunctions, through spontaneous healing processes.

He is involved in project management and strategic planning, concerning Prevention issues, Occupational Ergonomics, Occupational Health and Safety at Work (Italian Legislative Decree 81/2008), Sport and Wellness.

He is currently Kinesiologist and Professor of Occupational Ergonomics, in the Prevention of Occupational Musculoskeletal Disorders, a topic on which he wrote a manual for workers (ABC per la Prevenzione dei Disturbi Muscolo Articolari (ABC's for the Prevention of Muscular Joint Disorders) - EPC Editor).

# His certifications

Degree in Sport Science
UNC Kinesiologist No. 14307 - National Union of Kinesiologists
Master's Degree in Sport Management and Sport Activities
International Diploma of Francoise Mezieres Posturological Method Training
Professor of Ergonomics, Prevention and Treatment of
Occupational Musculoskeletal Disorders (DMS)

Certified Occupational Health and Safety Trainer (Italian Legislative Decree 81/2008) Fitness, Sport, Health and Wellness Technical consultant

# Why is the work shoe fundamental?

The qualities of safety footwear are fundamental not only because they offer immediate protection but because they guarantee, in the short, medium and long term, use that preserves the all-round general mentalphysical health of workers. The medium and long term consequences are the most difficult to identify however if attention is paid, they can direct the choice of work shoe towards effective solutions, designed according to the principles that regulate the delicate balance of the locomotor apparatus.

The following observations of a technical-scientific nature and carried out on U-Power footwear are possible thanks to the use of Kinesiology, that is the study of human movement, and Biomechanics which analyses the behaviour of physiological structures when subjected to static or dynamic stresses.

# **SHORT-TERM BENEFITS\***

- Maximum grip /safety
- · Reduced fatigue at the end of the day
- Decreased effort in movements with the same number of work hours
- Decreased energy expenditure when
  walking
- · Less heaviness of the legs
- Reduction of risk factors related to slipping accidents
- Reduction of risk factors related to fear of
- slipping (antalgic gait)
- Reduction of risk factors related to accidents caused by tripping
- Reduction of risk factors that lead to harmful postures
- Reduction of risk factors related to cervical spine pain (for example stiff neck)
- Reduction of risk factors related to events such as day and night cramps
- Reduction of risk factors related to muscle contractions
- Reduction of risk factors related to accidents "without apparent causes"
- Reduction of risk factors related to acute low back pain (lumbago)
- Reduction of risk factors related to shocks to the skeletal system
- Reduction of risk factors related to the disturbance of respiratory dynamics
- Reduction of risk factors related to the manifestation of cortisol (stress hormone)

# **MEDIUM-TERM BENEFITS\***

- · Greater balance
- · Increased reflexes
- Reduced heaviness of the legs
- Greater sensitivity and perception of the legs
- Reduction /disappearance of fascial muscle pain of the legs
- Reduction / disappearance of joint pain of the legs
- Better circulation and oxygenation of the legs
- Improved strength level of the legs
- Reduction / disappearance of sciaticarelated pain
- Greater oxygenation of muscles and internal organs
- · Better muscle function
- · Greater joint mobility
- Reduction / disappearance of general muscle and joint pain
- Reduction / disappearance of pain and/or inflammation
- Acquisition of increased freedom of movement
- Reduction / disappearance of recurrent headaches (headaches and migraines)
- Reduction / disappearance of musclefascia pain in the upper limbs
- Reduction / disappearance of tingling / paraesthesia
- Reduction / disappearance of arthritis symptoms

# LONG-TERM BENEFITS\*

- Reduction / disappearance of chronic longterm pain
- · Improved leg strength
- · Greater oxygenation of the back
- · Improved mobility of the spinal column
- Improvement of one's static and dynamic posture
- · Improvement of gastro-intestinal functions
- Improvement of general organic functions
- · Greater oxygenation of the spinal cord
- Normalisation of the STP postural tonic system (general postural rigidity level)
- Reduction of corns and calluses
- · Improvement of the plantar support
- · Improved walking
- Reduction of osteoarthritis symptoms
- Improved energy upon waking in the morning
- · Improved respiratory function
- Reduction / disappearance of symptoms and disorders indirectly involved in postural type dysfunctions
- Reduction in the degree of body inflammation
- Increased body awareness
- Improvement of spontaneous healing abilities (Immune System)

# THE IMPORTANCE OF SLIP RESISTANCE

What would happen if we had to work on an extremely slippery floor? Instinctively we would be inclined to slow the pace and movements down, but without the certainty of having a guaranteed grip-safe tread. Furthermore, our body would tend to stiffen putting the greatest number of muscles into action simultaneously, in order to provide cohesion to the entire system, ready to be reactive in the event of slipping and loss of balance.

U-POWER and the 0.68 high grip tread technology (used in the Red Lion line) reduces injury risk factors allowing maximum safety of movement on the most insidious surfaces during static and dynamic activity. The perception of adherence, with relative grip, of one's work shoe allows muscle-tension stress to be reduced.

A high grip tread and neat edges lightens each step by reducing the use of energy required for motion and movement (greater grip = less work strength required).

Basically this means that the worker will have a guarantee of greater safety, less energy expenditure and less muscle-joint tension which may occur over time.

"I was able to try and test
a common work shoe and
U-Power shoes respectively,
comparing them through
static and dynamic tests.
U-Power footwear, in essence,
unlike common commercial
technologies, has proven to be
superior and advanced, fully
capable of meeting the concept
of "Freedom of Movement"
that is essential to workers
tackling each work day without
concerns and with peace of
mind"

# **INFINERGY (RED LION)**

hypotonia and hypertonia are caused by multiple concomitant factors and amplified by any risk factors, for example unsuitable work shoes"

Now imagine walking with a work shoe, that is able to dissipate joint and muscle stress while simultaneously provide valid support that lightens the pace by reducing the metabolic muscle expenditure, and increasing energy in its dynamic mode. Hence the creation of Infinergy an innovative BASF polymer used in the running world, implemented by U-POWER in work shoes; in the form of microcapsule cohesion and fusion, which creates a material with elevated elastic capacities without altering its properties over time with use. The INFINERGY

insert positioned under the heel allows ENERGY TO BE STORED with each step and to feel it RETURN when the foot leaves the ground. A real anti-gravitational push; the polymer compresses, storing kinetic energy, under the pressure of the foot and this temporary deformation will supply KINETIC ENERGY when the foot leaves the ground with a great anti-fatigue effect. Muscles and leg circulation are the first to benefit; shortly thereafter the positive effects are perceived indirectly, on the well-being of the spine.

# **INFINERGY COMBINES:**

Lightness of the step, dissipation of load on cartilage and joints, support and biomechanical assistance during rolling, return of potential energy in KINETIC ENERGY = greater work strength, reduced metabolic energy action, reduction of muscle tension, better circulation, increased strength, anti-fatigue effect on legs, back and neck, improvement of postural disorders.

**INFINERGY** energy confers lightness to **U-POWER** footwear which minimises muscle-fascial and joint tensions thereby benefitting the static and dynamic postural balance of workers.

"Scientific studies show that the majority of musculararticular disorders that occur during one's work life can be prevented and treated with the use of shoes which exploit technologies capable of reducing and/or resolving those imbalances due, among the various causes, to continuous shocks to the joints"

"The sensation of wearing U-Power shoes is like not wearing a work shoe at all" PU HIGH REBOUND in Elastopan FROM BASF (RED UP AND RED UP PLUS)

The PU surface ABSORBS the impact of the foot when your weight is on it, reducing trauma to the joints and relative cartilage. The High Rebound technology ACCUMULATES potential energy with every step, which converts into a RETURN of kinetic energy, that the individual wearing

U-POWER shoes can perceive. When walking, due to a series of sensorial information, the PU generates a viscoelastic response reaction of the myo-fascia (connective sheath that envelops muscles, tendons, fascia and ligaments, with a supporting and circulatory function) which will allow GREATER MUSCULAR EFFECTIVENESS with LOWER ENERGY EXPENDITURE and INCREASED CIRCULATORY FUNCTION.

Thus it is obvious that the rolling action of the foot, i.e. the series of movements of each step - heel, sole, toe - can be carried out like a balance, uniformly and with elasticity, WITH A PERCEPTABLE SENSATION OF PLEASANT WELL BEING.

# SUMMARY



THIS IS A REVOLUTION!



**WOW EFFECT** 



THE FIRST SAFETY SHOE CERTIFIED CARBON NEUTRAL



**LIGHTNESS AT YOUR FEET** 



WATERPROOF COMBINED WITH LONG-LASTING BREATHABILITY

# **ROCK&ROLL**



**STRONG & AGILE** 

# FLATOTT



**ARE YOU READY?** 

# **U-SPECIAL**



SPECIFIC TECHNICAL SOLUTIONS

# WHITE68&BLACK



**NOT ONLY WHITE** 

# SUMMARY







# THIS IS A REVOLUTION!

The more energy you use, the more you receive!

No limit to your work... No obstacle can stop you...

Redlion will make you invincible!!! Thanks to the new hi-tech Infinergy® sole you will feel recharged at every step, ready for new challenges...

Redlion shoes, inexhaustible energy!!!









"NO METAL"
PIERCE-RESISTANT MIDSOLE







# S1P SRC ESD RL20036 **POINT**

**UPPER** 

Soft suede upper with Nylon inserts

SAFETY TOE CAP AirToe Aluminium

PIERCE-RESISTANCE Save & Flex® PLUS

FOOTBED

SOLE

PU/PU + Infinergy®

SIZE

from 35 to 48



### **VEROK S1P SRC ESD** RL20216

**UPPER**Soft suede upper with Nylon inserts

SAFETY TOE CAP AirToe Aluminium

PIERCE-RESISTANCE

FOOTBED

SOLE

PU/PU + Infinergy®

SIZE

from 35 to 42



### **STEGO** S3 SRC CI ESD RL10376

UPPER

High abrasion resistant PUTEK® PLUS, water resistant and breathable

SAFETY TOE CAP AirToe Aluminium

PIERCE-RESISTANCE Save & Flex® PLUS

FOOTBED

SOLE

PU/PU + Infinergy®

SIZE

from 35 to 48



### **RAPTOR** S3 SRC CI ESD **RL20376**

UPPER

High abrasion resistant PUTEK® PLUS, water resistant and breathable

SAFETY TOE CAP AirToe Aluminium

PIERCE-RESISTANCE Save & Flex® PLUS

FOOTBED

SOLE

PU/PU + Infinergy®

SIZE

from 35 to 48



from 35 to 48



# UPPER Soft nubuck water resistant leather SAFETY TOE CAP AirToe Aluminium PIERCE-RESISTANCE Save & Flex® PLUS FOOTBED WOW SOLE PU/PU + Infinergy® SIZE







# **SLIP RESISTANCE**

		EUROPEAN STANDARDS	RED LION
SRA TEST FLOOR	Flat	<b>0,32</b>	0,68
TEST FLOOR CERAMICS LUBRICANT WATER + DETERGENT	Heel CONTACT ANGLE 7	. 0 <mark>,28</mark>	0,44
SRB TEST FLOOR	Flat	o,18	0,24
STEEL LUBRICANT GLYCERIN	Heel CONTACT ANGLE 7	0,13	0,15

SLIP RESISTANCE REQUIREMENTS ACCORDING TO THE EN ISO 20345:2011 METHOD REQUESTED BY EN 13287:2012







# **WOW EFFECT**



# **TIRED AND HEAVY LEGS?**

NO PROBLEM, U-POWER has designed a customised product for you that can have a positive influence on your body!, ensuring high performance in terms of comfort, balance and shock distribution in the workplace.











### **DENVER** S1P SRC ESD RI21086

# UPPER

Soft, breathable suede leather with mesh inserts

SAFETY TOE CAP AirToe Composite

PIERCE-RESISTANCE

Save & Flex® PLUS

FOOTBED Antifatigue WOW2

SOLE

PU compact Antislip, antistatic and oil resistant

SIZE

from 35 to 48



### **BERLINO** S1P SRC ESD RI21126

# **UPPER**

Soft, breathable suede leather with mesh inserts

SAFETY TOE CAP

AirToe Composite

PIERCE-RESISTANCE Save & Flex® PLUS

FOOTBED

Antifatigue WOW2

PU compact Antislip, antistatic and oil resistant

SIZE

from 35 to 48



### **TOKYO** S1P SRC ESD RI21076

# UPPER

Soft, breathable suede leather with mesh inserts

SAFETY TOE CAP AirToe Composite

PIERCE-RESISTANCE Save & Flex® PLUS

## **FOOTBED**

Antifatigue WOW2

SOLE

PU compact Antislip, antistatic and oil resistant

SIZE

from 35 to 42



### **NAIROBI** S1P SRC ESD RI21096

# UPPER

Soft suede upper with Nylon inserts

SAFETY TOE CAP

AirToe Composite PIERCE-RESISTANCE Save & Flex® PLUS

FOOTBED

Antifatigue WOW2

SOLE

PU compact Antislip, antistatic and oil resistant

SIZE

from 35 to 48







- AN ARCH STRUCTURE IN SOFT DYNAMIC COMPOUND, WITH SELF-MODELLING PROPERTIES.
- AN INSERT MADE WITH A REVOLUTIONARY BASF COMPOUND THAT GUARANTEES ANTI-FATIGUE PROPERTIES.

# **SLIP RESISTANCE**

			EUROPEAN STANDARDS	RED INDUSTRY
3B)	SRA TEST FLOOR CERAMICS LUBRICANT WATER + DETERGENT	Flat	<b>0,32</b>	0,45
RA+SRB		Heel CONTACT ANGLE 7°	o,28	0,32
S)		Flat	o,18	0,44
SR		Heel CONTACT ANGLE 7°	<b>0,13</b>	0,21

SLIP RESISTANCE REQUIREMENTS ACCORDING TO THE EN ISO 20345:2011 METHOD REQUESTED BY EN 13287:2012















# STOCCOLMA S3 CI SRC ESD RI11074

High abrasion resistant
PUTEK® PLUS, water
resistant and breathable
SAFETY TOE CAP
AirToe Composite
PIERCE-RESISTANCE

Save & Flex® PLUS
FOOTBED
Antifatigue WOW2

SOLE
PU compact Antislip,
antistatic and oil resistant
SIZE

from 35 to 48



# LISBONA S3 CI SRC ESD RI21074

UPPER

High abrasion resistant PUTEK® PLUS, water resistant and breathable

SAFETY TOE CAP AirToe Composite

PIERCE-RESISTANCE Save & Flex® PLUS FOOTBED

Antifatigue WOW2

SOLE

PU compact Antislip, antistatic and oil resistant

**SIZE** from 35 to 48



# HELSINKI UK S3CI SRCESD RI11014

# UPPER

Pull-up water resistant with anti-abrasion toe cap

**SAFETY TOE CAP** AirToe Composite

PIERCE-RESISTANCE Save & Flex® PLUS

FOOTBED

Antifatigue WOW2

SOLE

PU compact Antislip, antistatic and oil resistant

SIZE

from 35 to 48



# MOSKA UK S3 CI SRC ESD RI21014

# UPPER

Pull-up water resistant with anti-abrasion toe cap

SAFETY TOE CAP

AirToe Composite
PIERCE-RESISTANCE

Save & Flex® PLUS FOOTBED

Antifatigue WOW2

SOLE

PU compact Antislip, antistatic and oil resistant

SIZE

from 35 to 48





\* PU Tek Plus is exclusive to U- Group

FABRIC QUALITY	ABRASION RESISTANCE	
Cordura® 500	300 revs	
Cordura® 1000	600 revs	
Putek Spider	3.000 revs	
Putek® PLUS	5.000 revs	









Putek® PLUS Technology uses newly developed high resistance abrasion yarns, woven directly into the fabric, to obtain high-tenacity and high-performance abrasion resistant fabrics. These highly resistant and water-repellent fabrics allow the creation of ultra-light and ultra-breathable S3 products.

EN ISO	EUROPEAN	PUTEK
20344:2011	STANDARDS	PLUS
PERMEABILITY OF WATER VAPOUR	≥ 0,8	24,7 mg/(cm²h)
COEFFICIENT OF	≥	199
WATER VAPOUR	15	mg/(cm²)

One single data is enough to state precisely the qualities that fabric and sewed can put into the field: if during laboratory tests a great fabric resists on average 51 tousands cycles, HyperTex reaches and overtakes over 1 million cycles. Due to needed timing to run traditional test, we had to use glovers Standard Method EN 388 using very aggressive sandpaper to a pressure of 12Kp. Final results proved that the resistance of HyperTex 6 is six times higher than Cordura 1000, widely used in high performance products.

\* Tests in accordance with norm 20344:11 show breathability 4 times superior than minimum required for a safety footwear





# **PANAMA** S3 CI SRC ESD RI10414

UPPER High abrasion resistant
PUTEK® STAR, water
resistant and breathable
SAFETY TOE CAP
AirTon Composite AirToe Composite
PIERCE-RESISTANCE Save & Flex® PLUS

FOOTBED Antifatigue WOW2 SOLE

PU compact Antislip, antistatic and oil resistant SIZE

from 35 to 48



# **MONACO** S3 CI SRC ESD RI20414

UPPER

High abrasion resistant PUTEK® STAR, water

resistant and breathable
SAFETY TOE CAP
AirToe Composite
PIERCE-RESISTANCE Save & Flex® PLUS

FOOTBED
Antifatigue WOW2
SOLE

PU compact Antislip, antistatic and oil resistant SIZE

from 35 to 48









# FIRST SAFETY SHOE CERTIFIED **CARBON NEUTRAL**

The products of the Red industry green line have achieved zero net CO2 emissions through the use of materials with reduced environmental impact and the offsetting of the residual emissions by the purchase of carbon credits certified according to arrangements and methodologies recognised by the **United Nations.** 















## CANYON UK S1P SRC ESD RI20346

# **UPPER**

Soft microfibre with a high percentage of recycled material, with breathable inserts.

# SAFETY TOE CAP

AirToe Composite

PIERCE-RESISTANCE

FOOTBED WOW2 GREEN in PU di

100% renewably sourced PU from BASF, compact Antislip, antistatic and oil resistant

SIZE from 35 to 48





### NIAGARA UK S3 CI SRC ESD RI10324

# UPPER

Soft microfibre with a high percentage of recycled material

SAFETY TOE CAP

PIERCE-RESISTANCE

FOOTBED

WOW2 GREEN in PU di

100% renewahly sourced PLL from BASF, compact Antislip, antistatic and oil resistant

SIZE

from 35 to 48



# NATURAL UK S3 CI SRC ESD RI20324

# UPPER

Soft microfibre with a high percentage of recycled material

SAFETY TOE CAP

PIERCE-RESISTANCE Save & Flex® PLUS GREEN

FOOTBED WOW2 GREEN in PU di

100% renewably sourced PU from BASF, compact Antislip, antistatic and oil resistant

SIZE

from 35 to 48





THE 7 INSOLE CONSISTS OF TWO ELEMENTS:

- AN ARCH STRUCTURE 100% RENEWABLY SOURCED PU FOOTBED BY BASF, WITH

**SELF-MODELLING PROPERTIES.** 

- AN INSERT MADE WITH A **REVOLUTIONARY BASF COMPOUND THAT GUARANTEES ANTI-FATIGUE PROPERTIES.** 

# **SLIP RESISTANCE**

			EUROPEAN STANDARDS	RED INDUSTRY
(B)	SRA TEST FLOOR	Flat	<b>0,32</b>	0,45
SRA+SRB	CERAMICS LUBRICANT WATER + DETERGENT	Heel CONTACT ANGLE 7°	o,28	0,32
	SRB TEST FLOOR	Flat	o,18	0,44
SRC	STEEL LUBRICANT GLYCERIN	Heel CONTACT ANGLE 7°	<b>0,13</b>	0,21

SLIP RESISTANCE REQUIREMENTS ACCORDING TO THE EN ISO 20345:2011 METHOD REQUESTED BY EN 13287:2012



90° DEGREE ANGLE

RI20334

FREE

(A)









ISLAND UK S3 CI SRC ESD

UPPER PUTEK® spider repet with









# **LIGHT SAFETY SHOES**

Red Leve is the range of super light safety shoes featuring a new generation sole and an ultralight insole that greatly reduce the total weight of the shoe. Safety, on the other hand, is the same as always: Airtoe toe cap, non-slip, oilresistant, abrasion-resistant and antistatic protection sole.







"NO METAL" PIERCE-RESISTANT MIDSOLE







## S3 CI SRC ESD RV20024

Water repellent microfiber nubuk effect

SAFETY TOE CAP

AirToe Aluminium

PIERCE-RESISTANCE

Ultralight penetration-proof insole

FOOTBED

**OWER** original

New generation PU sole, ultralight, antiabrasion, oil & slip resistant, antistatic

SIZE

from 35 to 48



### S1P SRC ESD RV20026

Breathable nylon and scuff cap protection in anti-abrasion material

SAFETY TOE CAP

AirToe Aluminium

PIERCE-RESISTANCE Ultralight penetration-proof

insole

**FOOTBED** 

**OWER** original

SOLE

New generation PU sole, ultralight, antiabrasion, oil & slip resistant, antistatic

from 35 to 48



### **PARKER** S3 CI SRC ESD RV10024

Water repellent microfiber nubuk effect

SAFETY TOE CAP AirToe Aluminium

PIERCE-RESISTANCE Ultralight penetration-proof

insole **FOOTBED** 

U-POWER original SOLE

New generation PU sole, ultralight, antiabrasion, oil & slip resistant, antistatic

SIZE

from 35 to 48



### S1P SRC ESD **ADAM** RV20076

UPPER

Breathable nylon and scuff cap protection in anti-abrasion material

SAFETY TOE CAP

AirToe Aluminium PIERCE-RESISTANCE

Ultralight penetration-proof

insole FOOTBED

POWER original

SOLE

New generation PU sole, ultralight, antiabrasion, oil & slip resistant, antistatic

SIZE

from 35 to 48





### **THOMAS** S3 CI SRC ESD RV20134

# UPPER

Water repellent microfiber nubuk effect

# SAFETY TOE CAP

AirToe Aluminium

# PIERCE-RESISTANCE

Ultralight penetration-proof insole

# **FOOTBED**

# **U-POWER** original

# SOLE

New generation PU sole, ultralight, antiabrasion, oil & slip resistant, antistatic

### SIZE

from 35 to 48



# **BRADLEY** S1P SRC ESD

# UPPER

Breathable nylon and scuff cap protection in anti-abrasion material

# SAFETY TOE CAP

AirToe Aluminium
PIERCE-RESISTANCE

Ultralight penetration-proof insole

# FOOTBED

# **U-POWER** original

SOLE

New generation PU sole, ultralight, antiabrasion, oil & slip resistant, antistatic

# SIZE

from 35 to 48



### S1P SRC ESD **MICHELL** RV20086

# UPPER

Breathable nylon and scuff cap protection in anti-abrasion material

# SAFETY TOE CAP

AirToe Aluminium

# PIERCE-RESISTANCE

Ultralight penetration-proof insole

## FOOTBED

# **OWER** original

SOLE

New generation PU sole, ultralight, antiabrasion, oil & slip resistant, antistatic

# SIZE

from 35 to 48



# **SLIP RESISTANCE**

			EUROPEAN STANDARDS	RED LEVE
(B)	SRA TEST FLOOR	Flat	<b>0,32</b>	0,43
A+SR	CERAMICS LUBRICANT WATER + DETERGENT	Heel CONTACT ANGLE 7°	o,28	0,42
RC (SF	SRB TEST FLOOR	Flat	o,18	0,31
SR	STEEL LUBRICANT GLYCERIN	Heel CONTACT ANGLE 7°	0,13	0,29

SLIP RESISTANCE REQUIREMENTS ACCORDING TO THE EN ISO 20345:2011 METHOD REQUESTED BY EN 13287:2012



# GORE-TEX





# **WATERPROOF IN COMBINATION WITH** LONG- LASTING BREATHABILITY

The GORE-TEX membrane prevents water from entering the shoe and ensures that your feet remain dry and protected. It is ultra-thin, highly waterproof and breathable.

Gore-tex is permeable for water vapour allowing perspiration to escape unhindered, because the pores in the **GORE-TEX** membrane are 700 times larger than a water vapour molecule, allowing your feet to "breathe".

Due to the microscopic pores which are approximately 20,000 times smaller than a water droplet, the GORE-TEX membrane is completely waterproof.

This technology provides the ideal climate comfort for your feet in every season.











# S3 WR HRO HI CI SRC GO10054 DROP GTX **UPPER** Full grain waterproof leather LINING GORE-TEX Performance Membrane SAFETY TOE CAP AirToe Composite PIERCE-RESISTANCE Save & Flex® PLUS FOOTBED Vibrum SOLE PU/VI SIZE from 38 to 47 HRO ≥ 300° C

# CLIMB GTX S3 WR HRO HI CI SRC GO10064 UPPER Pull-up waterproof leather LINING GORE-TEX Performance Membrane SAFETY TOE CAP AirToe Composite PIERCE-RESISTANCE Save & Flex® PLUS FOOTBED SOLE PU/VIBRAM SIZE from 38 to 47 HRO ≥ 300° C

# **SLIP RESISTANCE**



			EUROPEAN STANDARDS	GORETEX			
3B)	SRA TEST FLOOR	Flat	<b>0,32</b>	0,43			
SRA+SRB	CERAMICS LUBRICANT WATER + DETERGENT	Heel CONTACT ANGLE 7°	<b>0,28</b>	0,31			
	SRB TEST FLOOR	Flat	o,18	0,28			
SRC	STEEL LUBRICANT GLYCERIN	Heel CONTACT ANGLE 7°	o,13	0,20			
CI ID DE	SLIP RESISTANCE REQUIREMENTS ACCORDING TO THE						

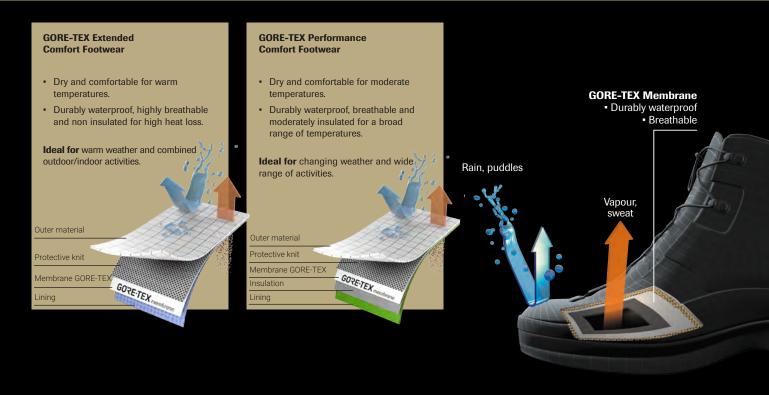
# **SLIP RESISTANCE**



			EUROPEAN STANDARDS	GORETEX
(B)	SRA TEST FLOOR	Flat	o,32	0,51
RA+SRB	CERAMICS LUBRICANT WATER + DETERGENT	Heel CONTACT ANGLE 7°	o,28	0,28
RC (SF	SRB TEST FLOOR	Flat	o,18	0,26
SR	STEEL LUBRICANT GLYCERIN	Heel CONTACT ANGLE 7°	0,13	0,13

SLIP RESISTANCE REQUIREMENTS ACCORDING TO THE EN ISO 20345:2011 METHOD REQUESTED BY EN 13287:2012













# **SLIP RESISTANCE**



			EUROPEAN STANDARDS	RED LION
3B)	SRA TEST FLOOR	Flat	<b>0,32</b>	0,68
SRA+SRB	CERAMICS LUBRICANT WATER + DETERGENT	Heel CONTACT ANGLE 75	.0,28	0,44
C (SF	SRB TEST FLOOR	Flat	o,18	0,24
SR	STEEL LUBRICANT GLYCERIN	Heel CONTACT ANGLE 7	. 0,13	0,15

SLIP RESISTANCE REQUIREMENTS ACCORDING TO THE EN ISO 20345:2011 METHOD REQUESTED BY EN 13287:2012

# **ROCK&ROLL**

# BREZZA UPPER Soft suede leather with wide side aerator for extra breathability SAFETY TOE CAP AirToe Composite PIERCE-RESISTANCE Save & Flex® PLUS FOOTBED Action Dry SOLE PU/PU SIZE from 35 to 48





















# **SLIP RESISTANCE**

			EUROPEAN STANDARDS	U-POWER
(B)	SRA TEST FLOOR	Flat	<b>0,32</b>	0,71
A+SRB	CERAMICS LUBRICANT WATER + DETERGENT	Heel CONTACT ANGLE 7	o,28	0,52
C (SF	SRB TEST FLOOR	Flat	o,18	0,32
R.S.	STEEL LUBRICANT GLYCERIN	Heel CONTACT ANGLE 7	0,13	0,23

SLIP RESISTANCE REQUIREMENTS ACCORDING TO THE EN ISO 20345:2011 METHOD REQUESTED BY EN 13287:2012

# **U-SPECIAL**

EN ISO 20345:2011 **C** €





# SLIP RESISTANCE

			EUROPEAN STANDARDS	GORETEX
á	SRA TEST FLOOR	Flat	0,32	0,43
5	CERAMICS LUBRICANT WATER + DETERGENT	Heel CONTACT ANGLE	<sub>7°</sub> 0,28	0,31
TEST FLOOR CERAMICS LUBRICANT WATER + DETERGENT  SRB TEST FLOOR STEEL LUBRICANT GLYCERIN	Flat	o,18	0,28	
	LUBRICANT	Heel CONTACT ANGLE	7° 0,13	0,20

# WHITE68&BLACK



# NOT ONLY WHITE

Special jobs require special safety shoes.
Protection against invisible threats, like bacteria, debris, organic and chemical residues, the technical materials like Ecolorica, New Safety Dry and Microfiber offer the required protection to the feet.
All the products can be easily washed thanks to the essential design and the materials used.



















# **SLIP RESISTANCE**

			EUROPEAN STANDARDS	INDUSTRY
(B)	SRA TEST FLOOR	Flat	0, <del>3</del> 2	0,45
SRA+SRB	CERAMICS LUBRICANT WATER + DETERGENT	Heel CONTACT ANGLE 7°	o,28	0,32
RC (SF	SRB TEST FLOOR	Flat	o,18	0,44
R.	STEEL LUBRICANT GLYCERIN	Heel CONTACT ANGLE 7°	0,13	0,21

SLIP RESISTANCE REQUIREMENTS ACCORDING TO THE EN ISO 20345:2011 METHOD REQUESTED BY EN 13287:2012

# MERCHANDISING



# **LACES**

ST1N100 BLACK COLOUR cm 100 - 1 pair pack

ST1N120 BLACK COLOUR cm 120 - 1 pair pack

ST1N140 BLACK COLOUR cm 140 - 1 pair pack

# **LACES**

ST5N100 BLACK COLOUR cm 100 - 5 pairs pack

ST5N120 BLACK COLOUR **cm 120** - 5 pairs pack

ST5N140 BLACK COLOUR cm 140 - 5 pairs pack



# **LACES**

ST1V100 GREEN COLOUR cm 100 - 1 pair pack

ST1V120 GREEN COLOUR cm 120 - 1 pair pack

ST1V140 GREEN COLOUR cm 140 - 1 pair pack



# **LACES**

ST5V100 GREEN COLOUR cm 100 - 5 pairs pack

ST5V120 GREEN COLOUR cm 120 - 5 pairs pack

ST5V140 GREEN COLOUR cm 140 - 5 pairs pack



# wow

single pack
SIZE: from 35 to 48



# WOW2

CS00605 INSOLE

single pack SIZE: from 35 to 48

# **EUROPEAN NORMS**

EUROPEAN STANDARS ON SAFETY SHOES				
(UE) 2016/425	UE) 2016/425 Directive of the European Council regarding standardization of national laws			
EN ISO 20344:2011	PPE Personal Protection Equipments – Footwear test methods			
UNI 11583:2015	Norm for the safety and protection standard to be used on inclined roofs			
EN ISO 20349:2010	Small projection of melted metal during Welding and connected processes			
EN ISO 20345:2011	Personal Protection Equipments – Safety footwear			
EN ISO 20346:2007	Personal Protection Equipments – Protective footwear			
EN ISO 20347:2012	20347:2012 Personal Protection Equipments – Occupational footwear			
EN 13287:2012	Requirements and tests methods for slip resistance			
CEI EN 61340-5-1	Protection of electronic devices against electrostatic phenomena - ESD			

IDENTIFICATION MARKS TO BE FOUND ON OUR PRODUCT				
CEI EN 6134 -5-1	Protection of electronic devices against electrostatic phenomena - ESD			
UGroup	Producer's Logo and product responsible			
U Power Power	Commercial name			
EN ISO 20345:2011	Standard reference			
UA10274 S3 HRO	Product code and protection category reference			
01/2021	Month and year of production			
42	Size of the product			

Information may be placed in different places on the product, provided that it's always reachable and visible.

# SIZE COMPARISON TABLE

<b>English Sizes</b>	2	3	4	5	6	6,5	7	8	9	10	10,5	11	12	13
European Sizes	35	36	37	38	39	40	41	42	43	44	45	46	47	48

# **EUROPEAN NORMS**

# TABLE OF PROTECTION ON OUR SAFETY SHOES

Α	Antistatic footwear	Electrical resistance of the compressed bottom between 1x10 <sup>5</sup>			
A	AntiStatic footwear	$\Omega$ and 1x10 $^{9}$ $\Omega$			
E	Heel area energy absorption	Mechanical risk: reduction of heel trauma resulting from impacts or falls from limited heights. mechanical energy ≥ 20 joules			
FO	Walking sole surface resistant to hydrocarbons	Increase in sole sample volume < 12%			
WRU	Water resistant upper material	Resistance to penetration and absorption of water from the uppers H2O absorption after $60' \le 30\%$ H2O transmitted after $60' \le 0.2$ gr			
P	Pierce resistant midsole	> 1100 Newton			
CI	Thermal cold insulation of the sole	Decrease T ≥ 10 °C in environment at -17 °C for 30'.			
HI	Thermal heat insulation of the sole	Increase T ≥ 22 °C resting on plate at T of 150 °C for 30'.			
HRO	Walking sole surface heat resistance to temperature on contact	Sample in contact at 300 °C. for 60" - Does not melt			
AN	Ankle protection	Mechanical risk, ankle protection: mean value of transmitted force ≥ 10 kN maximum value < 15 kN			
WR	Water resistant shoes	After 1000 steps or after 80' of automatic dynamic cycle no more than 3cm2 of water (stain) should enter			
М	Shoe with metatarsal protection	Mechanical risk, metatarsus protection: falling objects, foot bumps. Height after impact ≥ 40 mm (size 42)			
CR	Cut resistant upper	I factor > 2,5			

SLIP RESISTANCE OF THE OUTSOLE
SLIP RESISTANCE REQUIREMENTS ACCORDING TO THE EN ISO 20345:2011
METHOD REQUESTED BY EN 13287:2012

SYMBOLS USED	EUROPEAN STANDARDS REQUIREMENTS
SRA Test floor: ceramics Lubricant: water + detergent	≥ <b>0,32</b> Flat ≥ <b>0,28</b> Heel (contact angle 7°)
SRB Test floor: steel Lubricant: glycerin	≥ <b>0,18</b> Flat ≥ <b>0,13</b> Heel (contact angle 7°)
SRC (SRA+SRB)	Both tests methods applied

# **SAFETY CATEGORIES** AND SYMBOLS USED

# EN ISO 20345:2011

Safety shoes, with 200J resistant toe cap

Safety Basic SB

S1 A+SB+E

A+SB+E+P S1P

**S2** A+SB+E+WRU

**S3** A+SB+E+WRU+P

**S4** A+SB+E+ (water resistance) BOOTS

A+SB+E+P+ (water resistance) **BOOTS** 

# EN ISO 20346:2011

Protection shoes. with 100J resistant toe cap

PB SB

**P1** A+SB+E

**P2** A+SB+E+P

P3 A+SB+E+WRU+P

# EN ISO 20347:2012

Working shoes, without protecting toe cap

> OB SB (only if present)

01 A+E

01P A+E+P

**02** A+E+WRU

**03** A+E+WRU+P

**O4** A+E+(water resistance) **BOOTS** 

**O5** A+E+(water resistance) **BOOTS** 

For any question concerning articles, legislation and technical data please do not hesitate to contact our commercial offices.

ALL U-POWER COLLECTIONS ARE VISIBLE ON OUR WEB SITE: www.upower.it/en



Scan this QR code on your smartphone and enter into the world of U-POWER.

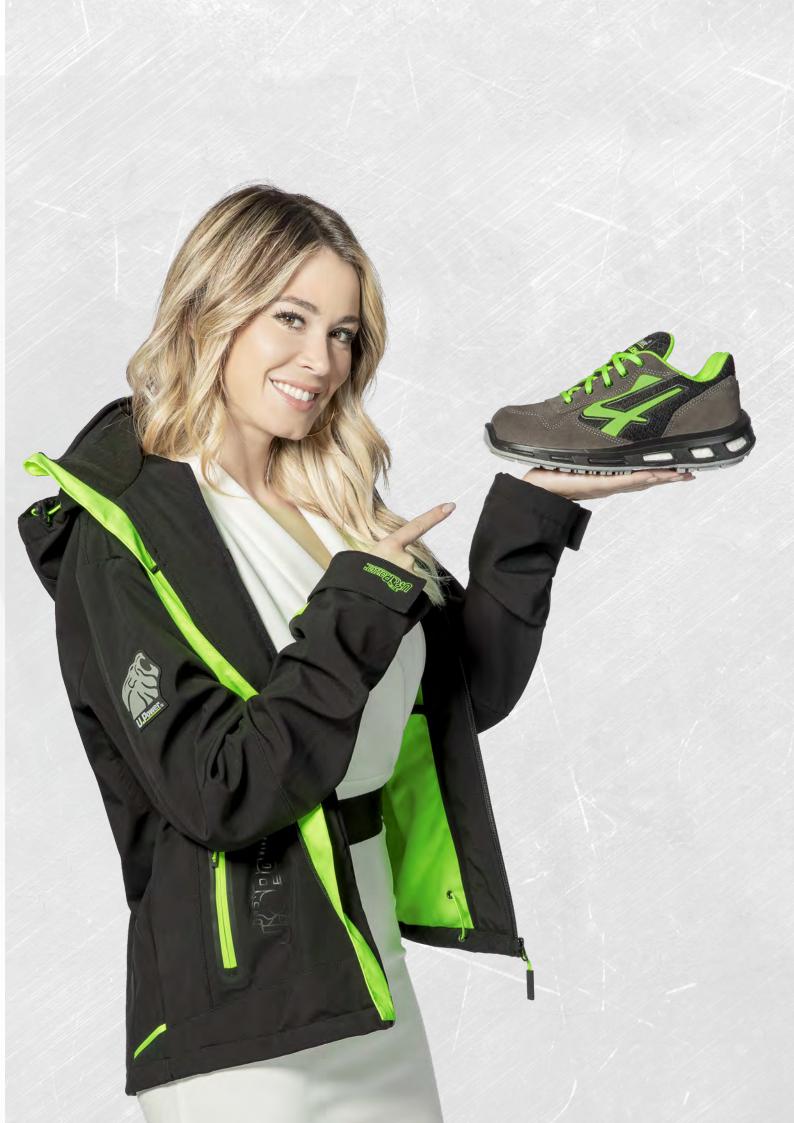
This catalogue replaces all previous documents.

With the aim to improve our collections, all produtes included in this catalogue may be replaced and /or modified. Images are for illustration purposes only and are not legally binding.

# INDEX SHOES

			PAG.
ADAM	S1P CI SRC ESD	RV20076	34
ARIZONA UK	S3 SRC	RR20443	38
BEN	S3 CI SRC ESD	RV20024	34
BERLINO	S1P SRC ESD	RI21126	28
BJORN	S3 SRC	UF20084	39
BRADLEY	S1P SRC ESD	RV20144	35
BREZZA	S1P SRC	RR20196	38
BRUCE	S1P CI SRC ESD	RV20026	34
BULLS	S3 HRO HI SRC	S010213	39
CALGARY UK	S3 SRC	RR70374	38
CANYON UK	S1P SRC ESD	RI20346	32
CARBON	S3 CI SRC ESD	RL20013	27
CLIMB GTX	S3 WR HRO HI CI SRC ESD	G010064	36
DENVER	S1P SRC ESD	RI21086	28
DOMINATION	RS S3 WR SRC CI	RL1E144	37
DROP GTX	S3 WR HRO HI CI SRC ESD	GO10054	36
EMBER UK	S3 CI SRC ESD	RI20384	33
FACE	S3 CI SRC ESD	RL20144	27
GREENLAND UK	S3 SRC	RR10364	38
HELSINKI UK	S3 CI SRC ESD	RI11014	30
ISLAND UK	S3 CI SRC ESD	RI20334	33
LAND UK	S3 CI SRC ESD	RI10384	33
LINKIN	S3 CI SRC ESD	RL20254	27
LISBONA	S3 CI SRC ESD	RI21074	30
MIAMI	S1P SRC	RR20346	38
MICHELLE	S1P SRC ESD	RV20086	35
MISTRAL	S1P SRC ESD	RI50086	29
MONACO	S3 CI SRC ESD	RI20414	31
MOSKA UK	S3 CI SRC ESD	RI21014	30
NAIROBI	S1P SRC ESD	RI21096	28
NATURAL UK	S3 CI SRC ESD	RI20324	32
NIAGARA UK	S3 CI SRC ESD	RI10324	32
OSLO	S1P SRC ESD	RI21136	29
PANAMA	S3 CI SRC ESD	RI10414	31
PARKER	S3 CI SRC ESD	RV10024	34
POINT	S1P SRC ESD	RL20036	26
QUEBEC UK	S3 SRC	RR20364	38
RAPTOR	S3 CI SRC ESD	RL20376	26
RESPONSE GRIP	S2 SRC	UW20032	40
RIO	S1P SRC ESD	RI21116	29
ROCKET	S3 WR SRC CI	RL2E144	37

SENNA	S1P SRC	UF20206	39
STEGO	S3 CI SRC ESD	RL10376	26
STOCCOLMA	S3 CI SRC ESD	RI11074	30
STRUCTURE	S2 SRC	UW20032	40
THOMAS	S3 CI SRC ESD	RV20134	35
ТОКУО	S1P SRC ESD	RI21076	28
VEROK	S1P SRC ESD	RL20216	26
WALTER	S3 WR SRC	UF10064	39
YUKON	S3 SRC	RR20464	38









YOUR DISTRIBUTOR Power



U GROUP Srl - Via Borgomanero, 50 - 28040 Paruzzaro (NO) ITALY - Tel. +39 0322 53 94 01 - Fax +39 0322 23 00 01 www.u-power.it - info@u-power.it

U – POWER TÜRKİYE

BERK PROKİMYA SAN. TİC. A.Ş

POLIGON MAHALLESI SARIYER CADDESI ABC PLAZA N:117/B 34460 İSTINYE – ISTANBUL
Tel.: 212 277 33 03
Fax: 212 277 30 36

www.u-power.com.tr info@u-power.com.tr

