U GROUP SRL
Via Borgomanero n° 1
28040 Paruzzaro (NO)

LEGAL DATA:
C.F e Reg.Imp.Novara: 02041920030
CCIAA Novara REA: 211799
P.IVA: IT02041920030
Codice Export: No015724
Cap.Soc.: 119.000 Iv

CONTACTS:
WEBSITE: www.u-power.it/en
EMAIL: info@u-power.it
TEL: +39 0322 53 94 01
FAX: +39 0322 23 00 01

REV. 11/11/2024

DATA SHEET

RL20376 IMPERIUS S3S CI FO SR ESD
Natural Confort 11 Mondopoint®
AirToe Aluminium
SHOE TYPE "A"
SIZE RANGE 35-48 (UK: 2-13)
Size tested: 42 - WEIGHT Kg 1,088

PRODUCT PICTURE



RANGES

RED LION

TECHNOLOGIES

ESD, Infinergy, Save&Flex plus, wingtex, Airtoe Aluminium, Natural Confort 11, Nickel Free, PU Tek PLUS HYPERTEX technology, U-POWER ORIGINAL, Secosol

DESCRIPTION

RedLion Safety Shoes, with AirToe Aluminium and Save&Flex PLUS anti-perforation system, designed to guarantee a prolonged well-being of the foot. Lightweight, comfortable, with high abrasion resistance upper in Putek PLUS®, closure with laces and padded nylon bellows to ensure long lasting comfort. These work shoes are able to guarantee comfort and lightness thanks to the sole with the innovative Infinergy® system and to the expanded PU midsole. The multi-functional heel and the compact PU tread provide grip, security and stability of posture. This shoe is suitable for use in humid environments, transport and logistics, the tertiary sector and services.

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS	EN ISO STANDARD	VALUE
SAFETY TOE CAP "AirToe Aluminium"	**20345:2022**	**RESULT**
Impact resistance. Free heights after collision mm	≥ 14	16,5
Compressive strength. Free heights after compr. mm	≥ 14	14,5
INSOLE "Save & Flex PLUS®, pierce resistant "non metal""		
Puncture resistance N	≥ 1100	Compliant
ELECTRICAL RESISTANCE CATEGORY	< 10^9 Ω	Compliant
UPPER DYNAMIC WATERPROOFING AFTER 60'		
Water absorption after 60'	≤ 30%	6
Water transmitted after 60'	≤ 0,2 gr	0
Permeability to water vapor mg/(cm^2 h)	≥ 0,8	2,8
Permeability coefficient mg/cm^2	≥ 15	22,8
VAMP LINING		
Permeability to water vapor mg/(cm^2 h)	≥ 2	23,7
Permeability coefficient mg/cm^2	≥ 20	189,7
Resistance to abrasion - DRY cycles	25.600 cycles	Compliant
Resistance to abrasion - WET cycles	12.800 cycles	Compliant
INSOLE		
Abrasion resistance	≥ 400 cycles	No damage
SOLE WEAR		
Abrasion resistance (volume loss) mm^3	≤ 250	77
Bending resistance mm	≤ 4	3,2
Resistance to sole / midsole detachment N/mm	≥ 3	3,4
Hydrocarbons resistance (% volume variation)	≤ 12	11,6
Heel energy absorption J	≥ 20	36
SLIP RESISTANCE		
Slip resistance on ceramic with NaLS (forward heel 7°)	≥ 0,31	0,42
Slip resistance on ceramic with NaLS (backward forepart 7°)	≥ 0,36	0,36
SR-Slip resistance on ceramic with glycerin (forward heel 7°)	≥ 0,19	0,31
SR-Slip resistance on ceramic with glycerin (backward forepart 7°)	≥ 0,22	0,28

IMPERIUS s ESD

0RL20376



DESCRIPTION

RedLion Safety Shoes, with AirToe Aluminium and Save&Flex PLUS anti-perforation system, designed to guarantee a prolonged well-being of the foot. Lightweight, comfortable, with high abrasion resistance upper in Putek PLUS®, closure with laces and padded nylon bellows to ensure long lasting comfort. These work shoes are able to guarantee comfort and lightness thanks to the sole with the innovative Infinergy® system and to the expanded PU midsole. The multi-functional heel and the compact PU tread provide grip, security and stability of posture. This shoe is suitable for use in humid environments, transport and logistics, the tertiary sector and services.

AVAILABLE IN SIZE 12 WITH CODE 0RL2A376



UPPER

High abrasion resistant PUTEK® PLUS, water repellent and breathable

LINING

Wingtex® air tunnel

TOECAP

AirToe Aluminium

ANTIPERFORATION

Save & Flex® PLUS®, pierce resistant "non metal"

MIDSOLE

U-Power original

SOLE/TREAD

PU/PU and Infinergy®

ANATOMICAL INSOLE

Natural Confort 11 Mondopoint®

PU TEK PLUS

A high-tech fabric exclusive to U-Group, offering high abrasion resistance and optimal flexibility. Designed for S3 safety footwear, it guarantees four times the breathability of standard PU Tek, as per ISO 20344:11 testing. It is a durable material that is completely PVC-free.

PROTECTION CLASS

S3S CI FO SR

EU NORM

EN ISO 20345:2022

SIZES

35-48 (UK: 2-13)

AIRTOE ALUMINIUM TOE CAP

Made from aluminium to combine lightness with protection, ensuring thermal and dynamic comfort for the foot. Weighing approximately 54 grams, it is designed to maintain high safety standards without adding weight to the footwear.

SAVE & FLEX® PLUS

Save & Flex® PLUS anti-perforation insert. Textile, metal-free protective insert designed to provide superior lightness and flexibility compared to traditional steel plates. Sewn directly onto the upper, it ensures full-foot plantar protection. It offers sole penetration resistance up to 1100 N in compliance with current safety standards.

COPYRIGHTS © U-POWER - DON'T WORRY... BE HAPPY! BY U-GROUP S.R.L.

ESD (ELECTROSTATIC DISCHARGE)

Technology designed to continuously dissipate electrostatic charges accumulated by the human body to the ground. Certified footwear complies with the requirements of the CEI EN 61340 standards for the protection of electronic components, making it suitable for use in EPA (Electrostatic Protected Area) environments during both production and handling of sensitive devices.

U-POWER ORIGINAL

Anatomical footbed with arch support structure made from a soft dynamic BASF compound. It features self-moulding properties designed to evenly distribute body weight pressure across the sole of the foot, reducing pressure points and optimizing dynamic comfort.

INFINERGY®

Closed-cell expanded polyurethane cushioning insert designed to return energy with every step. Engineered to reduce muscle fatigue, it provides consistent energy return during both walking and prolonged work activities, ensuring high levels of comfort and long-lasting cushioning in all working conditions.

TECHNOLOGIES

COPYRIGHTS © U-POWER - DON'T WORRY... BE HAPPY! BY U-GROUP S.R.L.