



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

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REV. 11/11/2024

DATA SHEET

PRODUCT PICTURE

RANGES

TECHNOLOGIES

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



DESCRIPTION

TECHNICAL SPECIFICATIONS

EN ISO STANDARD

VALUE

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.

SAFETY TOE CAP "AirToe Aluminium"

Impact resistance. Free heights after collision mm
Compressive strength. Free heights after compr. mm

≥ 14
≥ 14

20345:2022

RESULT

16,5
14,5

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

Puncture resistance N

≥ 1100

Compliant

ELECTRICAL RESISTANCE CATEGORY

< 10⁹ Ω

Compliant

UPPER DYNAMIC WATERPROOFING AFTER 60'

Water absorption after 60'
Water transmitted after 60'
Permeability to water vapor mg/(cm² h)
Permeability coefficient mg/cm²

≤ 30%
≤ 0,2 gr
≥ 0,8
≥ 15

6
0
2,8
22,8

VAMP LINING

Permeability to water vapor mg/(cm² h)
Permeability coefficient mg/cm²
Resistance to abrasion - DRY cycles
Resistance to abrasion - WET cycles

≥ 2
≥ 20
25.600 cycles
12.800 cycles

23,7
189,7
Compliant
Compliant

INSOLE

Abrasion resistance

≥ 400 cycles

No damage

SOLE WEAR

Abrasion resistance (volume loss) mm³
Bending resistance mm
Resistance to sole / midsole detachment N/mm
Hydrocarbons resistance (% volume variation)
Heel energy absorption J

≤ 250
≤ 4
≥ 3
≤ 12
≥ 20

77
3,2
3,4
11,6
36

SLIP RESISTANCE

Slip resistance on ceramic with NaLS (forward heel 7°)
Slip resistance on ceramic with NaLS (backward forepart 7°)
SR-Slip resistance on ceramic with glycerin (forward heel 7°)
SR-Slip resistance on ceramic with glycerin (backward forepart 7°)

≥ 0,31
≥ 0,36
≥ 0,19
≥ 0,22

0,42
0,36
0,31
0,28