



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

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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

PRODUCT PICTURE

RANGES

TECHNOLOGIES

RI20666 VORTIX ESD S1PS FO SR
Natural Confort 11 Mondopoint
AirToe Composite
SHOE TYPE "A"
SIZE RANGE 35-47 (UK: 2-12)
Size tested: 42 - WEIGHT Kg 1,15



RED INDUSTRY



Save & Flex plus

wingtex

METAL FREE 100%

Airtoe COMPOSITE

Natural CONFORT 11



Made with Infinergy® - the E-TPU from BASF
We create chemistry

DESCRIPTION

TECHNICAL SPECIFICATIONS

EN ISO STANDARD

VALUE

Lightweight and comfortable safety shoes with upper in soft perforated **suede** and mesh inserts. Contrasting yellow side bands and strings and **inner lining with air channels** for increased breathability and long-lasting comfort.

Anti-slip safety footwear with **oil-resistant, abrasion-resistant** and **anti-static sole**.

Vortex is a style of **low-cut work shoes** that ensure well-being throughout the day thanks to the **WOW2 self-modelling** insole with anti-fatigue insert that reduces body stress and ensures correct distribution of body weight.

Safety footwear with **AirToe Composite** toe cap and **"No Metal" Save & Flex Plus anti-perforation system** sewn directly onto the upper.

Work shoes for both men and women ideal for **transport and logistics, craftsmen, builders, electricians, plumbers, gardeners and farmers, painters, mechanics and tyre repairers, warehouse workers, carpenters, joiners, process workers, gas station operators**.

SAFETY TOE CAP "AirToe Composite"

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

≥ 14
≥ 14

20345:2022

RESULT

17,5
22,5

INSOLE "Save & Flex® PLUS"

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

N.A.
N.A.
10,7
93,2

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

55,7
445,8
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

≤ 150
≤ 4
≥ 3
≤ 12
≥ 20

47
1,2
5,1
3,4
30

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
0,51
0,21
0,26